

FIRE SCIENCE TECHNOLOGY, A.A.S.

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.

For more information about Fire Science, please visit the program page (<http://www.cod.edu/fire/>).

Degree Requirements

Field of Study Code: FIRE.AAS

Code	Title	Credits
Program Requirements		
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/Fire Behavior and Combustion	3
FIRE 2215	Building Construction	3
FIRE 2218	Principles of Fire and Emergency Services Safety and Survival	3
Program Electives		
Select 15 credits from any 1000 or 2000-level Fire Science courses (p. 1) ¹		15
Electives		
Select 10 credits from any 1000- or 2000- level courses ¹		10
General Education		
<i>Written Communication</i>		
ENGLI 1101	English Composition I	3
or ENGLI 1105	Workplace Writing	
<i>Oral Communication</i>		
Select one of the following:		3
SPEEC 1100	Fundamentals of Speech Communication	
SPEEC 1120	Small-Group Communication	
SPEEC 1150	Introduction to Business Communication	
<i>Physical and Life Sciences</i>		
Select at least one course with a laboratory component		3-5
<i>Mathematics</i>		
Select three to five credits 1000 level or above		3-5
<i>Humanities and Fine Arts</i>		
Select three credits		3
<i>Social and Behavioral Sciences</i>		
Select three credits.		3
From the General Education or Elective classes, at least 2 credits must come from Global/Multicultural Studies or Contemporary Life Skills		
Total Credits		64-68

¹ In addition to the courses listed above.

² At least two credits must come from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills category.

Fire Science Electives

Code	Title	Credits
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 1183	Emergency Medical Responder	5
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		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 (EMT)	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

General Education Requirements

For general education requirements for the A.A.S. degree, please visit the A.A.S. degree catalog page (<https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/>).