

Degree & Certificate Requirements

Fire Science Associate of Applied Science (AAS) PROFESSIONAL TECHNICAL 2025-2026 Degree Requirements

Major Courses

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
FS 100	Introduction to Fire Service [RE]	1		
FS 111	Fire Administration [RE]	3		
FS 121	Fire Tactics [RE]	3		
FS 131	Introduction to Fire Inspections [RE]	3		
FS 141	Chemistry of Hazardous Materials [RE]	3		
FS 151	Hazardous Materials for First Responders [RE]	3		
FS 211	Building Construction [RE]	3		
FS 222	Fire Tactics II [RE]	3		
FS 231	Fire Protection Equipment [RE]	3		
FS 241	Fire Investigation [RE]	3		
FS 251	Fire Service Hydraulics [RE]	3		

Total Credits Required 31

Major Support

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENGL& 235	Technical Writing [C]	5		
Political Science - select 5 credits from the following:				
POLS& 202	United States Government [S/B]	5		
POLS 104	State and Local Government [S/B]	5		
Business Administration - select 5 credits from the following:				
BUS 262	Management Principles [RE]	5		
BUS 271	Human Relations in Business [RE]	5		

Subtotal 15

Degree & Certificate Requirements

Electives

Select a minimum of 28 credits from the following courses.

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
BIOL& 160	General Biology W/ Lab [M/S]	5		
BIOL& 241	Human A&P 1 W/ Lab [M/S]	5-6		
BIOL& 242	Human A&P 2 W/ Lab [M/S]	5-6		
HE 240	Stress Management [PE]	3		
CS 101	Intro to Computers & Information Technology	5		
HSCI 147	Medical Terminology [RE]	5		
EMT 101	Emergency Medical Technician-Basic [RE]	12		
FS 193	Fire Science Independent Studies [RE]	4		
FS 293	Fire Science Independent Studies [RE]	1-10		
FS 299	Special Studies [RE]	1-10		

Note: the above courses are recommended.

Business Administration - 5 credits

BUS 262	Management Principles [RE]	5		
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Chemistry - select a maximum of 5 credits

CHEM& 110	Chemical Concepts W/ Lab [M/S]	5		
CHEM& 121	Intro to Chemistry W/ Lab [M/S]	5		
CHEM& 122	Intro to Organic Chemistry W/ Lab [M/S]	5		
CHEM& 123	Intro to Biochemistry W/ Lab [M/S]	5		
CHEM& 140	General Chemistry Prep W/ Lab [M/S]	5		
CHEM& 161	General Chemistry I W/ Lab [M/S]	6		
CHEM& 162	General Chemistry II W/ Lab [M/S]	6		
CHEM& 163	General Chemistry III W/ Lab [M/S]	6		

Health Education - select a maximum of 5 credits

HE 110	Concepts of Fitness [PE]	2		
HE 170	Health and Wellness [PE]	3		
HE 215	Health and Fitness for Life [PE]	3		
HE 220	Drugs and Health [PE]	3		

Physical Education - select a maximum of 2 credits

PE 120	Weight Training I [PE]	1		
PE 121	Weight Training II [PE]	1		

Sociology - select a maximum of 5 credits

SOC& 101	Intro to Sociology [S/B]	5		
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Spanish - select a maximum of 5 credits

SPAN& 121	Spanish I [H]	5		
SPAN& 122	Spanish II [H]	5		
SPAN& 123	Spanish III [H]	5		

Subtotal 28

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General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
MATH 106+	MATH 106 or above	5		
PSYC 100+	PSYC 100 or above	3-5		
English - Select 5 credits from the following:				
ENGL& 101	English Composition I [C]	5		
ENGL& 102	Composition II [C]	5		
Communication - select 5 credits from the following:				
CMST& 101	Introduction to Communication Studies [C]	5		
CMST& 210	Interpersonal Communication [C]	5		
CMST& 220	Public Speaking [C]	5		
CMST 260	Multicultural Communication [C]	5		

Subtotal **18-20**
Total Credits Required **92-94**

A student may not use equivalent cross-listed courses for the same graduation requirement. Refer to the Cross-Listed Courses section of the catalog for more information, and consult with your counselor, completion coach, or faculty advisor.