

# Degree & Certificate Requirements

## Fire Science Associate in Applied Science (AAS) PROFESSIONAL TECHNICAL 2023-2024 Degree Requirements

### Major Courses

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
FS 100	Introduction to Fire Service	1		
FS 111	Fire Administration	3		
FS 121	Fire Tactics	3		
FS 131	Introduction to Fire Inspections	3		
FS 141	Chemistry of Hazardous Materials	3		
FS 151	Hazardous Materials for First Responders	3		
FS 211	Building Construction	3		
FS 222	Fire Tactics II	3		
FS 231	Fire Protection Equipment	3		
FS 241	Fire Investigation	3		
FS 251	Fire Service Hydraulics	3		
<b>Total Credits Required</b>		<b>31</b>		

### Major Support

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ENGL& 235	Technical Writing [C]	5		
<b>Political Science - select 5 credits from the following:</b>				
POLS& 202	American Government [S/B]	5		
POLS 104	State and Local Government [S/B]	5		
<b>Business Administration - select 5 credits from the following:</b>				
BUS 262	Management Principles	5		
BUS 271	Human Relations in Business	5		
<b>Subtotal</b>		<b>15</b>		

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## 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	5		
EMT 101	Emergency Medical Technician-Basic	12		
FS 193	Fire Science Independent Studies	4		
FS 293	Fire Science Independent Studies	1-10		
FS 299	Special Studies	1-10		

**Note: the above courses are recommended.**

### Business Administration - 5 credits

BUS 262	Management Principles	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& 131	Intro to Organic/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 3 credits

PE 120	Weight Training I [PE]	1		
PE 121	Weight Training II [PE]	1-2		

### 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& 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		
<b>English - Select 5 credits from the following:</b>				
ENGL& 101	English Composition I [C]	5		
ENGL& 102	Composition II [C]	5		
<b>Communication - select 5 credits from the following:</b>				
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.