

Fire Service

Program Description:

Students prepare for careers as fire fighters, or in closely related occupations that require certification as a firefighter in this program that is accredited by the International Fire Service Accreditation Congress. Training incorporates all entry-level requirements according to nationally recognized standards. Students who choose the management option are prepared for leadership in the fire service with emphasis on the administration and management of fire service organizations. The program is intended to develop skills in critical and analytical reasoning as they apply to fire services.

For program costs and fees refer to the catalog TUITION AND FEES PAGE.

Program Learning Outcomes:

1. Meet the minimum academic training requirements of the Standard for Fire Fighter Professional Qualifications (Fire Fighter I)
2. Identify laws, regulations, codes and standards that influence fire department operations
3. Identify regulatory and advisory organizations that create laws and codes in the areas of fire prevention, building codes and ordinances, and firefighter health and safety
4. Analyze the cause of fire to determine extinguishing agents and methods
5. Differentiate between the stages of the fire and fire development and compare methods of heat transfer
6. Calculate flow requirements for fire apparatus
7. Apply mathematic formulae to hydraulics problems
8. Maintain fire apparatus and equipment
9. Identify the common types of building construction and conditions associated with structural collapse and firefighter safety
10. Use the Incident Command System to manage a wide variety of planned and un-planned incidents
11. Apply the principles of interpersonal communication, cooperative teamwork, supervision and management for leadership in the fire service

Fire Service AAS (100 credits)

Required Courses

FIRES101	Orientation to Fire Service	2
FIRES102	Firefighter Safety	4
FIRES103	Fire Service Applications I	5
FIRES104	Physical Fitness I	1
FIRES106	Fire Hose and Appliances	3
FIRES105	Introduction to Fire Science	3
FIRES107	Fire Service Applications II	5
FIRES108	Physical Fitness II	1

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FIRES109	Ladders	5
FIRES110	Intermediate Fire Service	2
FIRES111	Fires Service Applications III	4
FIRES112	Physical Fitness III	1
FIRES121	Wildland Firefighter	2
FIRES125	Fire Vehicle Operations	3
FIRES123	Fire Service Applications IV	1
FIRES124	Physical Fitness IV	1
FIRES201	Rescue Procedures	3
FIRES202	Advanced Fire Service	3
FIRES215	Hazardous Materials I	1
FIRES203	Fire Service Applications V	1
FIRES204	Physical Fitness V	1
FIRES206	Employment Preparation	2
FIRES207	Strategy, Tactics, and Incident Management	2
FIRES208	Fires Service Applications VI	4
FIRES216	Hazardous Materials II	2
FIRES209	Basic Life Support	1
FIRES225	Emergency Medical Technician (EMT)	14

Electives

FIRES212	Advanced Firefighter	4
FIRES213	Physical Fitness VI	1
FIRES220	Fire Service Applications VII	4
FIRES222	Advanced Pump Operations	4

General Education Requirements

Communications	5 credits required
ENGL175	

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ENGL&101	ENGLISH COMPOSITION I
Humanities/Social Sciences/Natural Sciences/Other	5 credits required
BIOL&160	GENERAL BIOLOGY
BIOL&175	HUMAN BIOLOGY WITH LAB
BIOL&241	ANATOMY & PHYSIOLOGY I
BIOL&242	HUMAN A&P II
BIOL&260	MICROBIOLOGY
CHEM&121	INTRODUCTION CHEMISTRY
CHEM&131	INTRODUCTION TO ORGANIC/BIOCHEMISTRY
CMST&102	INTRO TO MASS MEDIA
CMST&152	INTERCULTURAL COMMUNICATION
CMST&210	INTERPERSONAL COMMUNICATION
CMST&220	PUBLIC SPEAKING
ECON&201	MICROECONOMICS
NUTR&101	INTRO TO NUTRITION
POLS&101	INTRO TO POLITICAL SCIENCE
PSYC&100	GENERAL PSYCHOLOGY
PSYC&200	LIFESPAN PSYCHOLOGY
SOC&101	INTRO TO SOCIOLOGY
Quantitative	5 credits required
MATH172	APPLIED BUSINESS MATH
MATH&141	PRECALCULUS I
MATH&142	PRECALCULUS II
MATH&146	INTRODUCTION TO STATISTICS
MATH&151	CALUCLUS I
MATH&152	CALCULUS II

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

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Fire Service Supervision AAS (111 credits) **previously listed as 106 credits**

Required Courses

FIRES101	Orientation to Fire Service	2
FIRES102	Firefighter Safety	4
FIRES103	Fire Service Applications I	5
FIRES104	Physical Fitness I	1
FIRES106	Fire Hose and Appliances	3
FIRES105	Introduction to Fire Science	3
FIRES107	Fire Service Applications II	5
FIRES108	Physical Fitness II	1
FIRES109	Ladders	5
FIRES110	Intermediate Fire Service	2
FIRES111	Fires Service Applications III	4
FIRES112	Physical Fitness III	1
FIRES123	Fire Service Applications IV	5
FIRES124	Physical Fitness IV	1
FIRES203	Fire Service Applications V	5
FIRES207	Strategy, Tactics, and Incident Management	2
FIRES212	Advanced Fire Fighter	4 (not previously listed)
FIRES213	Physical Fitness IV	1 (not previously listed)
FIRES216	Hazardous Materials II	2
FIRES230	Fire Protection Strategies and Tactics	5
FIRES231	Fire Protection Systems	5
FIRES232	Fire Protection Hydraulics	5
FIRES233	Building Construction	5
FIRES234	Codes and Inspections	5
FIRES240	Fire Instructor	3
FIRES241	Fire Safety Office	2

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FIRES242	Fire Officer I	5
FIRES243	Fire Officer II	5

General Education Requirements

Communications 5 credits required

ENGL175
ENGL&101 ENGLISH COMPOSITION I

Humanities/Social Sciences/Natural Sciences/Other 5 credits required

BIOL&160 GENERAL BIOLOGY
BIOL&175 HUMAN BIOLOGY WITH LAB
BIOL&241 ANATOMY & PHYSIOLOGY I
BIOL&242 HUMAN A&P II
BIOL&260 MICROBIOLOGY
CHEM&121 INTRODUCTION CHEMISTRY
CHEM&131 INTRODUCTION TO ORGANIC/BIOCHEMISTRY
CMST&102 INTRO TO MASS MEDIA
CMST&152 INTERCULTURAL COMMUNICATION
CMST&210 INTERPERSONAL COMMUNICATION
CMST&220 PUBLIC SPEAKING
ECON&201 MICROECONOMICS
NUTR&101 INTRO TO NUTRITION
POLS&101 INTRO TO POLITICAL SCIENCE
PSYC&100 GENERAL PSYCHOLOGY
PSYC&200 LIFESPAN PSYCHOLOGY
SOC&101 INTRO TO SOCIOLOGY

Quantitative 5 credits required

MATH172 APPLIED BUSINESS MATH
MATH&141 PRECALCULUS I
MATH&142 PRECALCULUS II
MATH&146 INTRODUCTION TO STATISTICS

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MATH&151 CALUCLUS I

MATH&152 CALCULUS II

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

Fire Recruit Academy Certificate of Training (22 credits)

Required Courses

FIRES102	Firefighter Safety	4
FIRES103	Fire Service Applications I	5
FIRES104	Physical Fitness I	1
FIRES106	Fire Hose and Appliances	3
FIRES107	Fire Service Applications II	5
FIRES111	Fires Service Applications III	4

Wildland Firefighter II Certificate of Training (~~2~~ credits 5 credits)

Required Courses

FIRES121	Wildland Firefighter	2 should be 5 credits
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