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Fire Science

Degree Pathway

A Certificate is outlined coursework that is designed to prepare a student to head out into the workforce in a short timeframe or for career advancement. This certificate totals 49 credit hours. Consult with an advisor for more information.

(T) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

Required Courses			
Course ID	Course Title	Credit Hours	Notes
EM110	Emergency Medical Technician	10.00	Spring 2026, Summer 2026, Fall 2026
FS102	Construction Methods and Materials	3.00	Spring 2026, Summer 2026, Fall 2026
FS103	Introduction to Professional Firefighting	3.00	Spring 2026, Summer 2026, Fall 2026
FS110	Firefighter I	5.00	Spring 2026, Summer 2026, Fall 2026
FS113	Firefighter II	4.00	Spring 2026, Summer 2026, Fall 2026
FS120	Wildland Firefighter Type II	3.00	Spring 2026, Fall 2026
FS126	Portable Pumps and Water Use	1.00	Spring 2026, Fall 2026
FS127	Wildland Fire Powersaw Operations	2.00	Spring 2026, Fall 2026
FS128	Wildland Firefighter Firing Operations	1.00	Spring 2026, Fall 2026
FS130	Introduction to Fire Ground Strategy and Tactics	3.00	Spring 2026, Summer 2026, Fall 2026
FS141	Fire Dynamics	3.00	Spring 2026, Summer 2026, Fall 2026
FS150	Hazardous Materials Operations for First Responder	3.00	Spring 2026, Summer 2026, Fall 2026
FS175	Intro. to Fire & Emergency Services Administration	3.00	Spring 2026, Summer 2026, Fall 2026
FS203	Fire Hydraulics	3.00	Spring 2026, Summer 2026, Fall 2026
Electives			
Course ID	Course Title	Credit Hours	Notes
Fire Science Electives		2.00	
EM131	Cardiac Care (CPR)	0.50	Spring 2026, Summer 2026
FS105	Fire Attack	1.00	Spring 2026
FS107	Basic Confined Space Rescue I	1.50	Prereq: FS108 Rope Rescue I, or Departmental Consent.
FS108	Rope Rescue I	1.50	Spring 2026, Fall 2026
FS109	Rope Rescue II	1.50	Spring 2026 Prereq: FS108 Rope Rescue I, or Departmental Consent.
FS122	Incident Command System	1.00	Spring 2026, Fall 2026
FS124	Wildland Firefighter Internship I	2.00	
FS125	Fire Service Internship I	1.00	Spring 2026
FS141	Fire Dynamics	3.00	Spring 2026, Summer 2026, Fall 2026
FS145	Firefighter Fitness and Conditioning I	1.00	Fall 2026

FS146	Firefighter Fitness and Conditioning II	1.00	Spring 2026
FS153	Engine Company Operations	1.00	Spring 2026
FS155	Ice Rescue Operations	1.50	Spring 2026
FS156	Ice Rescue Technician	1.00	Spring 2026
FS160	Rapid Intervention Team	1.00	Spring 2026, Fall 2026
FS161	Fire Rescue Special Operations	1.00	Spring 2026, Fall 2026
FS205	Arson Investigation	5.00	
FS206	Fire Apparatus Driver/Operator	4.00	Spring 2026
FS209	Fire Instructor I	3.00	Spring 2026, Fall 2026
FS210	Fire Safety Officer	3.00	Spring 2026, Fall 2026

Total Credits: 49.00

Program Notes:

A grade of "C" or better is required for all degree-specific courses.