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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	Summer 2026, Fall 2026, Spring 2027
FS102	Construction Methods and Materials	3.00	Summer 2026, Fall 2026, Spring 2027
FS103	Introduction to Professional Firefighting	3.00	Summer 2026, Fall 2026, Spring 2027
FS110	Firefighter I	5.00	Summer 2026, Fall 2026, Spring 2027
FS113	Firefighter II	4.00	Summer 2026, Fall 2026, Spring 2027
FS120	Wildland Firefighter Type II	3.00	Fall 2026, Spring 2027
FS126	Portable Pumps and Water Use	1.00	Fall 2026, Spring 2027
FS127	Wildland Fire Powersaw Operations	2.00	Fall 2026, Spring 2027
FS128	Wildland Firefighter Firing Operations	1.00	Fall 2026, Spring 2027
FS130	Introduction to Fire Ground Strategy and Tactics	3.00	Summer 2026, Fall 2026, Spring 2027
FS141	Fire Dynamics	3.00	Summer 2026, Fall 2026, Spring 2027
FS150	Hazardous Materials Operations for First Responder	3.00	Summer 2026, Fall 2026, Spring 2027
FS175	Intro. to Fire & Emergency Services Administration	3.00	Summer 2026, Fall 2026, Spring 2027
FS203	Fire Hydraulics	3.00	Summer 2026, Fall 2026, Spring 2027
Electives			
Course ID	Course Title	Credit Hours	Notes
Fire Science Electives		2.00	
EM131	Cardiac Care (CPR)	0.50	Summer 2026, Fall 2026, Spring 2027
FS105	Fire Attack	1.00	
FS107	Basic Confined Space Rescue I	1.50	Prereq: FS108 Rope Rescue I.
FS108	Rope Rescue I	1.50	Fall 2026, Spring 2027
FS109	Rope Rescue II	1.50	Prereq: FS108 Rope Rescue I.
FS122	Incident Command System	1.00	Fall 2026, Spring 2027
FS124	Wildland Firefighter Internship I	2.00	
FS125	Fire Service Internship I	1.00	
FS141	Fire Dynamics	3.00	Summer 2026, Fall 2026, Spring 2027
FS145	Firefighter Fitness and Conditioning I	1.00	Fall 2026
FS146	Firefighter Fitness and Conditioning II	1.00	Spring 2027

FS153	Engine Company Operations	1.00	Spring 2027
FS155	Ice Rescue Operations	1.50	Spring 2027
FS156	Ice Rescue Technician	1.00	Spring 2027
FS160	Rapid Intervention Team	1.00	Fall 2026
FS161	Fire Rescue Special Operations	1.00	Fall 2026
FS205	Arson Investigation	5.00	
FS206	Fire Apparatus Driver/Operator	4.00	Spring 2027
FS209	Fire Instructor I	3.00	Fall 2026, Spring 2027
FS210	Fire Safety Officer	3.00	Fall 2026, Spring 2027

Total Credits: 49.00

Program Notes:

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