



SOUTHERN
MAINE
COMMUNITY
COLLEGE

Fire Science - Emergency Medical Services
Certificate
Two Semester Pathway Academic Year 2025-2026

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
ENGL 100	English Composition		ENGL 080		3	
FIRE 105	Fire Studies & Stayin' Alive FIG				3	
FIRE 106 <i>OR</i> Student Live-In Option: FIRE 102 <i>AND</i> FIRE 103	Firefighter I & II Fire Academy Part I Fire Academy Part II		NFPA 1582 compliant medical evaluation and Maine Dept of Labor Standards respiratory protection requirements FIRE 102	FIRE 105	6-7	
Semester 2						
EMST 125	Emergency Medical Technician				7	
MATH 130	Technical Math		MATH 040		3	
	Fire Science / EMS elective		See course prerequisites	See course corequisites	3	
				Total Credits	25	

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General Elective Requirements

COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
ENGL 100	English Composition	ENGL 080		3	
MATH 130	Technical Mathematics	MATH 040		3	

Major Required Courses

COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
FIRE 105	Fire Studies & Stayin' Alive FIG			3	
FIRE 106 OR Student Live-In Option: FIRE 102 AND FIRE 103	Firefighter I & II Fire Academy Part I Fire Academy Part II	NFPA 1582 compliant medical evaluation and Maine Dept of Labor Standards respiratory protection requirements FIRE 102	FIRE 105	6-7	
EMST 125	Emergency Medical Technician			7	
	Fire Science / EMS elective			3	

Fire Science / EMS electives 3 elective credits from list below

COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
EMST 105	Ambulance Vehicle Operators Course	Current, valid driver's license		1	
FIRE 110	Fire Protection Systems		FIRE 105	3	
FIRE 115	Fire Service Building Construction		FIRE 105	3	
FIRE 120	Fire Behavior and Combustion	MATH 130 or MATH 140		3	
FIRE 125	Fire Occupations Practicum	Program acceptance		1	
FIRE 145	Firefighter Health, Wellness, and Safety			3	
FIRE 150	Fire Inspector			3	
FIRE 151	Fire Inspector Certification Lab	FIRE 150		1	
FIRE 155	Fire Service Hydraulics		MATH 130 or MATH 140	3	
FIRE 160	Fire Investigation I			3	
FIRE 165	Introduction to Wildland Fire			3	
FIRE 170	Wildland Fire Behavior	MATH 040		3	
FIRE 200	Hazardous Materials	30 credits or more		3	
FIRE 205	Fire and Life Safety Educator			3	
FIRE 210	Fire Instructor			3	
FIRE 215	Fire Service Leadership	ENGL 100 or ENGL 101		3	
FIRE 250	Fire Ground Operations	30 credits earned		3	
PUBS 104	Public Safety Telecommunicator			3	
PUBS 106	Introduction to Homeland Security			3	