

FIRE SCIENCE TECHNOLOGY

This program assists individuals in the development of appropriate skills and knowledge both to further their ability as a front-line firefighter, as well as to assume a leadership role in their community.



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The **Fire Science Technology**

Program is designed to provide students with technical, academic and hands-on experiences to prepare them for a career in public safety.

Graduates can be employed as industrial fire protection specialists, safety technicians, fire insurance inspectors, inspection bureau representatives, state fire inspectors, and municipal fire department employees.

Students who are not employed in a related field are highly encouraged to pursue a live-in position or other hands-on application of the curriculum (see back for details).

EMCC students enjoy small class sizes, supportive faculty, transferable courses and leadership/engagement opportunities all for under \$4,000/year. (Most programs, based on 30 credit hours, in-state rate of \$96 per credit hour.)



CAMPUS TOURS AVAILABLE
Schedule an appointment on our
website.

Prerequisites

www.emcc.edu/firescience

AAS Degree and Certificate:

High School level Algebra I required.

Geometry desired.



Fire Fighting Certificate

FIR 101	Firefighter I*	(3)
FIR 102	Firefighter II*	(3)
FIR 103	Hazardous Material-Operations*	(2)
FIR 140	Emergency Services and American Society	(3)
EMS 131	Emergency Medical Technician	(7)
ENG100	Basic Academic and Pre-professional Writing OR	
	ENG101 College Composition	(3)
ELECTIVE MAT 110	Technical Mathematics OR	
	MAT116 College Algebra OR	
	MAT163 Statistics	(3)

► **TOTAL CERTIFICATE CREDITS 24**

FIRE SCIENCE TECHNOLOGY Associate in Applied Science Degree

All courses listed for certificate (24 credits), plus:

1st SEMESTER

FIR 107	Vehicle Operation and Maintenance-Driver [^]	(1)
FIR108	Vehicle Operation and Maintenance-Pumps*	(1)
FIR 109	Vehicle Operation and Maintenance-Diesel Systems	(1)
FIR 110	Fire Protection Systems	(3)
FIR 115	Fire Service Building Construction	(3)
ELECTIVE	Any Lab Science (PHY108 or BIO127 recommended)	(4)

2nd SEMESTER

FIR 152	Fire Inspection and Prevention	(3)
FIR 155	Fire Science Hydraulics	(3)
ELECTIVE	Any Social Science or Humanities (100 level or higher)	(3)
ELECTIVE	Any Science	(3-4)

3rd SEMESTER

FIR 131	Fire Behavior and Combustion	(3)
FIR 250	Fire Ground Operations	(3)
ENG 215	Business and Technical Writing	(3)
ELECTIVE	Any Humanities or Social Science (100 level or higher)	(3)

► **TOTAL AAS DEGREE CREDITS 61-62**

LIVE ON CAMPUS



Did you know that EMCC has TWO residence halls on campus?

Kineo Hall houses students in "blocks" (two double-occupancy rooms with four people of the same gender) or triple-occupancy rooms. Each is individually climate controlled and shares a common bathroom, with double sinks, a shower and a toilet stall.

Acadia Hall houses students in corridor-style double or triple occupancy rooms.

Room rates start at \$2,375 per semester.

Studies show that students who live on campus not only tend to have higher GPA's, but they are also more likely to complete their education and get more out of their college experience.

Visit www.emcc.edu/housing to learn more!

**State EMS, National Fire Academy, Maine Fire Service Institute, and Pro-board certifications and licenses (as well as equivalent work from other state fire academies) will transfer for appropriate coursework.*

[^]This course requires the individual to be at least 18 years of age and hold a valid Maine driver's license.

LIVE-IN FIREFIGHTER EXTERNSHIP OPPORTUNITY

The Live-In Firefighter Externship is offered in cooperation with various area fire departments. Through this externship, students are hired to live in area fire houses (rent free) in exchange for being "on call" during specific hours.

Approval for a live-in position is not guaranteed (space is limited) and depends upon a successful job interview and satisfactory completion of pre-service training.

For more information about the live-in externship, and to apply, visit <https://www.emcc.edu/academics/programs/programs-of-study/fire-science-technology/fire-science-live-in-option/>

Application deadline for live-in externship is May 26, 2023, for fall 2023 consideration.

Still in high school? Concurrent enrollment agreements with many high schools and technical education centers are available. Information can be found online at: www.emcc.edu/academics/programs/early-college/