FIRE SCIENCE TECHNOLOGY, COA

Program Code: Fire Science Technology-CoA

Note: This degree/certificate leads to professional licensure in Nevada. Licensing requirements vary by state/territory and relocating could impact whether you will meet eligibility requirements for licensure. If you do not live in Nevada and/or do not intend to seek employment in Nevada, then your application for admittance will be under review to determine eligibility for licensure in your state prior to acceptance into the program. Please visit our Professional Licensure Programs (https://www.tmcc.edu/vpaa/professional-licensure-programs/) page for full details on the State Authorization Reciprocity Agreement.

Program Description

The Certificate of Achievement, Fire Science Technology is designed to give individuals the background knowledge to work within a fire service organization and may lead to certification in basic wildland firefighting. Students interested in acquiring the Certificate of Achievement, Fire Science Technology must complete the general education and emphasis requirements.

Fire Science Technology Career Map (https://sites.tmcc.edu/flipbook/career-maps/)

Recommended Course Schedule

1st semester

		Units
Communications [3]		3
FT 101 or FT 102	Introduction to Fire Protection or Entry Level Firefighter	3
FT 131	Hazardous Materials	3
FT 110	Basic Wildland Firefighting	3
Electives [3]		3
	Semester Total	**15**

2nd semester

	Units
Mathematics [3]	3
Human Relations [3]	3
Electives [3]	9
Semester Total	**15**
Total Units	**30**

[3] See program recommendations.

Program Requirements

Certificates of Achievement can be a stepping stone to an associate degree or allow students to enter the workforce. Certificates of Achievement have a general education component.

To earn a Certificate of Achievement, students must:

1. Maintain a minimum cumulative GPA of 2.0 (see requirements for graduation.)

2. Complete a minimum of 15 semester credit hours within the college.

3. Satisfy General Education requirements for the Certificate of Achievement (https://catalog.tmcc.edu/degrees-certificates/general-education/aas/).

4. Have no financial or library obligation to the college.

Code	Title	Units
General Education Requirements		
Communications		*3*
Recommended:		
BUS 107	Business Speech Communications	
ENG 100	Composition Enhanced [1]	
ENG 101	Composition I [1]	
Human Relations		*3*
Recommended:		
MGT 201	Principles of Management	
MGT 212	Leadership and Human Relations	
Mathematics [2]		*3*
Recommended:		
MATH 100	Math for Allied Health and Public Safety Programs	
MATH 120	Fundamentals of College Mathematics [2]	
Certificate Requirements		
FT 101	Introduction to Fire Protection	3
or FT 102	Entry Level Firefighter	
FT 110	Basic Wildland Firefighting	3
FT 131	Hazardous Materials	3
Elective Requirements		**12**
12 additional credits, select from the following or any other EMS, EMHS, FS, FT, or MATH credits:		
EMHS 200	ICS/NIMS/EOC	
EMS 108	Emergency Medical Technician Training [3]	
FT 121	Fire Prevention I	
FT 122	Codes/Ordinances I	
FT 125	Build Construction I	
FT 200	Leadership and Ethics in Emergency Service	
Total Units		**30**

[1] ENG 100 or ENG 101 is required to complete the BAS, Emergency Management unless you place directly in to ENG 102.
[2] MATH 120 or higher is required to complete the BAS, Emergency Management.
[3] EMS 108 or equivalent strongly recommended.

The curriculum follows National Wildland Cooperation Group standards.

FT 101 or 102 or 6 months fire experience needed to enter Fire Academy.

Program Outcomes

Students completing the certificate will:

PSLO1: Demonstrate understanding of the different theaters of firefighting and prevention.

PSLO2: Identify and properly use the different equipment needed in the different theaters of firefighting.