WILDLAND FIRE, FIRE TECHNOLOGY, AAS

Program Code:

Program Description

The Associate of Applied Science, Fire Technology, Wildland Fire focuses on preparing students for careers in fire suppression and management, specifically in wildland fire situations. This program emphasizes both the technical skills and knowledge needed for effective wildfire response and prevention.

Students will engage in a curriculum that includes practical training and theoretical course work, covering essential topics such as fire behavior, suppression techniques, leadership, prevention and safety protocols. The degree also serves as a stepping stone for those interested in pursuing a BAS, Emergency Management, offering pathways into management and leadership roles within the field.

For individuals who have completed the Fire and Rescue academy, credits from the academy may be applied towards this degree, enhancing the learning experience and providing a comprehensive education in fire technology. Elective courses in fire suppression systems further enrich the program, preparing graduates for various career opportunities in fire service and related fields.

This degree does not guarantee employment or promotion but will prepare the student to increase their chances of being hired or promoted. Students may be placed in a physically demanding environment designed to introduce the student to job tasks and skills required to operate in the fire and emergency services.

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

Recommended Course Schedule

Code	Title	Units
1st semester		**Units**
EMS 101	CPR and First Aid	1
FT 110	Basic Wildland Firefighting	3
U.S. and Nevada Constitutions [2]		3
English [2]		3
Fine Arts/Humanities/Social Science/Diversity [3]		3
FS 107	Course FS 107 Not Found	3
	Semester Total	**16**
2nd semester		
FT 212	Fire and Ecology	3
EMS 108	Emergency Medical Technician Training	6
Mathematics [2]		3
WF 280	Fire Service Leadership	3
	Semester Total	**15**
3rd semester		
EMHS 200	ICS/NIMS/EOC	3
FS 150	Physical Fitness and Nutrition for Fire Service	3
FT 113	Basic Air Ops, S-270	3
FT 131	Hazardous Materials	3
FT 146	Wildland Tactics and Strategy I	3
	Semester Total	**15**
4th semester		
FS 265	Public Education	3
FT 115	Course FT 115 Not Found	1
FT 218	Intermediate Fire Behavior, 290/390	3
WF 205	Course WF 205 Not Found	3
	Semester Total	**10**
Summer		
FT 109	Internship in Firefighting	7
	Semester Total	**7**
	Total Units	**63**

[2] See the approved General Education list for the AAS Degree. (https://catalog.tmcc.edu/degrees-certificates/general-education/aas/)
[3] See program recommendations.

Program Requirements

AAS degrees are generally non-transfer degrees designed for students to enter the workforce.

To earn an AAS degree, students must:

1. Maintain a minimum cumulative GPA of 2.0 (see requirements for graduation.)
2. Complete a minimum of 15 units within the college.
3. Satisfy General Education requirements for the AAS (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		
English [1]		*3*
Communications		*3*
Required:		
FS 107	Course FS 107 Not Found	
Human Relations		*3*
Required:		
WF 280	Fire Service Leadership	
Mathematics [1]		*3*
Science		*3*
Required:		
FT 212	Fire and Ecology	
Fine Arts/Humanities/Social Science		*3*
Recommended:		
SOC/ANTH 205	Race and Ethnicity in Everyday Life	
Additional College Requirements		
U.S. and Nevada Constitutions		*3*
Diversity		*(3)*
Recommended:		
SOC/ANTH 205	Race and Ethnicity in Everyday Life	
Degree Requirements		
EMHS 200	ICS/NIMS/EOC	3

FT 110	Basic Wildland Firefighting	3
FT 113	Basic Air Ops, S-270	3
FT 131	Hazardous Materials	3
FT 146	Wildland Tactics and Strategy I	3
EMS 108	Emergency Medical Technician Training	6
FS 150	Physical Fitness and Nutrition for Fire Service	3
WF 205	Course WF 205 Not Found	3
FT 115	Course FT 115 Not Found	1
FT 218	Intermediate Fire Behavior, 290/390	3
FS 265	Public Education	3
EMS 101	CPR and First Aid	1
FT 109	Internship in Firefighting	7
Total Units		**63**

[1] See the approved General Education list for the AAS Degree. (https://catalog.tmcc.edu/degrees-certificates/general-education/aas/)

Program Outcomes

Student completing the degree will:

PSLO1: Firefighting Skills: Demonstrate proficiency in wildland firefighting techniques, including suppression strategies, safety protocols, and various tools and equipment operation.

PSLO2: Describe and Interpret principles of the fire triangle, including the principles of fire behavior. Also the factors that influence fire spread and intensity, enabling effective tactical decision making.

PSLO3: Emergency preparedness: Develop and implement comprehensive emergency response plans for wildfire incidents, including risk assessment and resource allocation.

PSLO4: Communication Skills, Team work Leadership: Effectively articulate with team members, agencies, and the public regarding fire management practices, safety measures, and prevention strategies. Exhibit the ability to work collaboratively in team settings and assume leadership roles during firefighting operations and emergency responses.

PSLO5: Environmental Awareness: Recognize and describe the ecological impacts of wildfires and the importance of fire management in maintaining healthy ecosystems and preventing future fire hazards.

PSLO6: Regulatory Knowledge: Displaying the ability to conduct activities within the legal and regulatory frameworks governing wild land fire management, including land use policies and environmental regulations.