Fire Technology Management

REQUIRED CREDITS: **61** DEGREE CODE: **FTM-AAS**

PROGRAM DESCRIPTION

The Associate of Applied Science Degree in Fire Technology Management is designed to provide students and career fire service personnel with the necessary education and skills required to enter a career or achieve promotion in a municipal, county or state fire department. The courses follow the Fire and Emergency Services Higher Education (FESHE) curriculum. The course content is designed to meet the National Fire Protection Association's 1001 Standard for Fire Fighter Professional Qualifications. The elective material is designed to prepare firefighters for advancement in the fire service.

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.

STUDENT LEARNING OUTCOMES

- Demonstrate donning of Hazardous Materials suits and self-contained breathing apparatus.
- Conduct a basic fire inspection.
- Conduct a basic fire investigation.
- Identify the working components of a fire protection system.
- Distinguish the different types of construction methods used in the building of various types of structures.
- Complete the State of Nevada Certification requirements in the following categories: Hazardous Materials Operations and Awareness, Fire Instructor I, Fire Officer I.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 107 **and** COM 101	6	_____
HUMAN RELATIONS HMS 130; MGT 283; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101, 102, 202, 205, 275	3	_____
NATURAL SCIENCE ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106, 109; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; THTR 100 or above; WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 **and** HIST 102; or HIST 101 **and** HIST 217; or HIST 111 **and** HIST 102; or HIST 111 **and** HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)

		CR	SEMESTER
CORE REQUIREMENTS (24 credits)			
FT 101	Principles of Emergency Services	3	_____
FT 105	Fire Behavior and Combustion	3	_____
FT 121	Fire Prevention	3	_____
FT 125	Building Construction for Fire Protection	3	_____
FT 131	Hazardous Materials Chemistry	3	_____
FT 152B	Legal Aspects of Emergency Services	3	_____
FT 154B	Principles of Fire and Emergency Services Safety and Survival	3	_____
FT 224	Fire Protection Systems	3	_____
ELECTIVES (choose 12 credits)			_____
FT 110	Basic Wildland Firefighting	3	
FT 126	Fire Investigation I	3	
FT 150	Apparatus and Equipment	3	
FT 151	Fire Protection Hydraulics and Water Supply	3	
FT 153B	Occupational Safety and Health for Emergency Services	3	
FT 190	Fire Instructor I	3	
FT 191	Introduction to Company Officer	3	
FT 226	Fire Investigation II	3	
FT 243	Strategy and Tactics	3	
FT 291	Fire and Emergency Services Administration	3	
FT 298	Seminar in Fire Management	3	

NOTE
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
- In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
- Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

GUIDED PATHWAY

ASSOCIATE OF APPLIED SCIENCE 2015-2016

FIRE TECHNOLOGY MANAGEMENT

The following is a suggested pathway, or course sequence by term, for this academic program. The following factors may affect the time it takes to complete the pathway as listed:

- The term (fall, spring, summer) in which the student enters the program because class availability varies by term.
- Where the student placed in the Math and English course sequence (i.e. taking courses below 100) and completion of course pre-requisites.
- Meeting with the student's designated program counselor or advisor to determine academic readiness to succeed in a particular course. Use of appropriate services (writing center, math resource center, etc.) may be in order to support successful course completion.

First Semester	Requirement	Credit Hours	Term
Gen. Ed. English Composition Requirement	ENG 100 or 101 or 107 or 113	3-5	
Gen. Ed. Communications Requirement	BUS 107 Business Speech Communications	3	
Gen. Ed. Human Relations Requirement	See degree sheet for course choices	3	
Special Program Core Requirements	FT 101 Principles of Emergency Services	3	
	Semester Total	12-14	
Second Semester	**Requirement**	**Credit Hours**	**Term**
Gen. Ed. Mathematics Requirement	MATH 104B or above (except MATH 122, 123)	3	
Gen. Ed. Natural Science Requirement	See degree sheet for course choices	3	
Special Program Core Requirements	FT 105 Fire Behavior and Combustion	3	
	FT 131 Hazardous Materials Chemistry[1]	3	
	Semester Total	12	
Third Semester	**Requirement**	**Credit Hours**	**Term**
Special Program Core Requirements	FT 125 Building Construction for Fire Protection	3	
	FT 152B Legal Aspects of Emergency Services	3	
Special Program Elective Requirement	See a counselor to select courses[2]	3	
	See a counselor to select courses[2]	3	
	Semester Total	12	
Fourth Semester	**Requirement**	**Credit Hours**	**Term**
Gen. Ed. Fine Arts/Humanities/Social Sciences Req.	See degree sheet for course choices	3	
Special Program Core Requirements	FT 121 Fire Prevention	3	
	FT 224 Fire Protections Systems	3	
Special Program Elective Requirement	See a counselor to select courses[2]	3	
	Semester Total	12	
Fifth Semester	**Requirements**	**Credit Hours**	**Term**
Gen. Ed. Communications Requirement	BUS 107 or COM 101	3	
Gen. Ed. US/NV Constitutions Requirement	See degree sheet for course choices	4-6	
Special Program Core Requirements	FT 154B Principles of Fire and Emergency Services Safety and Survival	3	
Special Program Elective Requirement	See a counselor to select courses[2]	3	
	Semester Total	13-15	
	Pathway Course Total	61-65	
	Degree Total	61	

Revised May 2015

[1]Prerequisites for this course are FT 101 and FT 104 and EMS 108B; or Instructor approval. Completing prerequisites gives you additional credits above the total for this degree.

[2]Some elective choices have prerequisites – see a counselor to help select courses and complete prerequisites.