

Fire Technology Management

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: FTM-AAS

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)**MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 50 for courses

COMMUNICATIONS (6 credits)

Required: BUS 107 and COM 101

HUMAN RELATIONS (3 credits)

HMS 130; MGT 283; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101, 102, 205, 275

NATURAL SCIENCE (3 credits)

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

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

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; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 CREDITS)

See AAS policy p. 51 for courses

SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)**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 |

See Degree Plan on next page.

- 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.



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FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

| FIRST SEMESTER | Credits |
|--|----------------|
| Complete AAS English Composition p. 50 | 3-5 |
| BUS 107 Business Speech Communications | 3 |
| Complete Human Relations (see courses previous page) | 3 |
| FT 101 Principles of Emergency Services | 3 |
| TOTAL CREDITS | 12-14 |
| SECOND SEMESTER | Credits |
| Complete Mathematics (see courses previous page) | 3 |
| Complete Natural Science (see courses previous page) | 3 |
| FT 105 Fire Behavior and Combustion | 3 |
| FT 131 Hazardous Materials Chemistry ¹ | 3 |
| TOTAL CREDITS | 12 |
| THIRD SEMESTER | Credits |
| FT 125 Building Construction for Fire Protection | 3 |
| FT 152B Legal Aspects of Emergency Services | 3 |
| Complete Electives ² (see courses previous page) | 6 |
| TOTAL CREDITS | 12 |
| FOURTH SEMESTER | Credits |
| Complete Fine Arts/Humanities/Social Science (see courses previous page) | 3 |
| FT 121 Fire Prevention | 3 |
| FT 224 Fire Protections Systems | 3 |
| Complete Electives ² (see courses previous page) | 3 |
| TOTAL CREDITS | 12 |
| FIFTH SEMESTER | Credits |
| COM 101 Oral Communication | 3 |
| Complete AAS US/NV Constitutions ³ p. 51 | 4-6 |
| FT 154B Principles of Fire and Emergency Services | |
| Safety and Survival | 3 |
| Complete Electives ² (see courses previous page) | 3 |
| TOTAL CREDITS | 13-15 |
| DEGREE PLAN TOTAL CREDITS | 61-65 |

¹Prerequisites 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.

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

³PSC 101 completes this requirement at 4 credits. If you choose the HIST option, take HIST 101 or 111 in the 4th semester and HIST 102 or 217 in the 5th semester.

