

# FIRE TECHNOLOGY, AAS

## Fire Suppression

The Associate of Applied Science, Fire Technology is designed for individuals who wish to advance their careers in fire fighting or fire prevention. Students completing the Fire and Rescue Academy may also apply their academy credits toward completion of this degree. For those interested in a career in fire prevention or fire suppression systems, we recommend this degree with additional certificate courses in fire suppression systems.

## Outcomes

Students completing the degree will:

- Define the All Hazards approach and interdisciplinary relationships in the modern emergency service environment.
- Describe the elements and governmental levels of the National Response Framework specific to the Incident Command System (ICS), National Incident Management System (NIMS), Emergency Operations Center (EOC) functions, and through practical application, the principles of emergency mitigation, response and recovery.
- Identify and define the physical, mental, interpersonal and leadership aspects that have resulted from the multifaceted evolution of the emergency services professions and the ability to function cohesively amongst diverse ethnicity and backgrounds of people within the services and communities.

AAS degrees are generally non-transfer degrees that are 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 (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas>).
4. Have no financial or library obligation to the college.

| Code                                  | Title  | Units |
|---------------------------------------|--|-------|
| <b>General Education Requirements</b> |  |       |
| <i>English/Communications</i>         |  | 6     |
| Required:                             |  |       |
| Select one of the following:          |  |       |
| ENG 101 & ENG 102                     | Composition I and Composition II   |       |
| ENG 113 & ENG 114                     | Composition I for International Students and Composition II For International Students |       |
| <i>Human Relations</i>                |  | 3     |
| Required:                             |  |       |
| MGT 201                               | Principles of Management   |       |
| <i>Quantitative Reasoning</i>         |  | 3     |
| Required:                             |  |       |
| MATH 120                              | Fundamentals of College Mathematics (or higher)  |       |
| <i>Science</i>                        |  | 3     |
| Required:                             |  |       |
| ENV 101                               | Introduction to Environmental Science  | 3     |

|  |   |     |
|--|---|-----|
| <i>Fine Arts/Humanities/Social Science</i> |   | 3   |
| Recommended:                               |   |     |
| SOC 205                                    | Ethnic Groups in Contemporary Societies         |     |
| <i>U.S. and Nevada Constitutions</i>       |   | 3   |
| Recommended:                               |   |     |
| CH 203                                     | American Experiences and Constitutional Change  |     |
| <i>Diversity</i> <sup>1</sup>              |   | [3] |
| Recommended:                               |   |     |
| SOC 205                                    | Ethnic Groups in Contemporary Societies         |     |
| <b>Degree Requirements</b>                 |   |     |
| BUS 107                                    | Business Speech Communications                  | 3   |
| EMHS 200                                   | ICS/NIMS/EOC                                    | 3   |
| FS 150                                     | Physical Fitness and Nutrition for Fire Service | 3   |
| FT 100                                     | Introduction to Emergency Services              | 3   |
| FT 122                                     | Codes/Ordinances I                              | 3   |
| FT 125                                     | Build Construction I                            | 3   |
| FT 200                                     | Leadership and Ethics in Emergency Service      | 3   |
| SOC 110                                    | Conflict Resolution                             | 3   |
| <b>Elective Requirements</b>               |   |     |
| Select 12 units from the following:        |   | 12  |
| EMS 108                                    | Emergency Medical Technician Training           |     |
| FT 106                                     | Firefighter I Academy                           |     |
| FT 110                                     | Basic Wildland Firefighting                     |     |
| FT 121                                     | Fire Prevention I                               |     |
| FT 131                                     | Hazardous Materials                             |     |
| Total Units                                |   | 60  |

<sup>1</sup> Course may also count toward additional degree requirements. Please consult with Academic Advisement

|   | Units   |    |
|---|---|----|
| <b>1st semester</b>                     |   |    |
| English <sup>3</sup>                    | 3   |    |
| Elective <sup>3</sup>                   | 3   |    |
| MATH 120                                | Fundamentals of College Mathematics             | 3  |
| FT 200                                  | Leadership and Ethics in Emergency Service      | 3  |
| FS 150                                  | Physical Fitness and Nutrition for Fire Service | 3  |
| Semester Total                          |   | 15 |
| <b>2nd semester</b>                     |   |    |
| English <sup>3</sup>                    | 3   |    |
| ENV 101                                 | Introduction to Environmental Science           | 3  |
| FT 100                                  | Introduction to Emergency Services              | 3  |
| Social Science/Diversity <sup>3</sup>   | 3   |    |
| SOC 110                                 | Conflict Resolution                             | 3  |
| Semester Total                          |   | 15 |
| <b>3rd semester</b>                     |   |    |
| FT 125                                  | Build Construction I                            | 3  |
| FT 122                                  | Codes/Ordinances I                              | 3  |
| EMHS 200                                | ICS/NIMS/EOC                                    | 3  |
| U.S. & Nevada Constitution <sup>3</sup> | 3   |    |
| Semester Total                          |   | 12 |
| <b>4th semester</b>                     |   |    |
| Elective <sup>3</sup>                   | 6   |    |
| Semester Total                          |   | 6  |

**5th semester**

|  |                                |    |
|--|--------------------------------|----|
| BUS 107  | Business Speech Communications | 3  |
| MGT 201  | Principles of Management       | 3  |
| Select 6 units of electives from the approved list: <sup>3</sup> |                                | 6  |
| Semester Total   |                                | 12 |
| Total Units  |                                | 60 |

<sup>2</sup> See approved General Education list for the AAS Degree. (<http://catalog.tmcc.edu/degrees-certificates/general-education/aas>)

<sup>3</sup> See program recommendations or requirements.