AAS in Fire and Emergency Services Technology

Students who complete the Associate of Applied Science (AAS) in Fire and Emergency Services Technology often get jobs with fire departments. They can also go on to obtain degrees in paramedicine, nursing, physician assistant, medical school, or other allied health fields. This program provides entry-level knowledge and skills for students planning a career in emergency services. It also provides career advancement and professional development opportunities.

Licensure and/or Certification

Graduates of the AAS in Fire and Emergency Services Technology are eligible to sit for the Emergency Medical Technician (EMT) national certification from the National Registry of Emergency Medical Technicians. Students that complete EMT A130 are eligible for an institutional recommendation for the Emergency Medical Technician Initial Certification from the State of Alaska Department of Health & Social Services, Division of Public Health, Section of Emergency Programs.

Initial certification from the State of Alaska as an EMT 2 and/or EMT 3 are available to students who complete EMT A230 and EMT A231 respectively.

Please go to UAA's Authorization by State (https://www.uaa.alaska.edu/academics/office-of-academic-affairs/provost_office/uaa-state-authorization/authorization.cshtml/) website for information about licensure or certification in a state other than Alaska.

Admission Requirements

Complete the Admission Requirements for Associate Degrees (http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/).

Special Considerations

Practicum placement may require background checks, proof of immunizations, liability release forms, proof of health insurance, and other requirements as dictated by individual sites.

Graduation Requirements

- Complete the General University Requirements for Associate of Applied Science Degrees (http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/).
- Complete the General Education Requirements for Associate of Applied Science Degrees (http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/geraleducationrequirements/).
- For the Quantitative Skills requirement MATH A105 or higher is recommended.

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<td>Natural Science General Education Requirement with lab</td>
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<td>EMT A130  Emergency Medical Technician I</td>
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<td>FIRE A101  Principles of Emergency Services</td>
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<td>FIRE A295  Fire and Emergency Services Practicum</td>
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Electives

Complete 12 credits of electives. These electives can be from the FEST program listed below (FIRE and EMT) or advisor-approved electives:

- EMT A230  Emergency Medical Technician II
- EMT A231  Emergency Medical Technician III
- FIRE A107  Strategy and Tactics of Fire Suppression
- FIRE A111  Principles of Fire and Emergency Service Administration
- FIRE A117  Rescue Practices
- FIRE A123  Fire Investigation I
- FIRE A131  Firefighter I, Series I
- FIRE A133  Firefighter I, Series II
- FIRE A135  Firefighter I, Series III
- FIRE A137  Firefighter I, Series IV
- FIRE A151  Wildland Fire Control I
- FIRE A170  Occupational Safety and Health for Emergency Services
- FIRE A190  Selected Topics in Fire and Emergency Services
- FIRE A201  Principles of Emergency Management
- FIRE A220  Legal Aspects of Emergency Services
- FIRE A230  Fire Department Organizational Theory and Behavior

Total 48

Placement in FIRE A295 requires department approval and will require various forms of documentation, which may include background checks, proof of immunizations, release forms, proof of insurance and others as dictated by individual sites.
Advisor-approved electives will have a fire/emergency services relevance or will be preparatory classes for other healthcare-related fields of study (e.g. paramedic, nursing, physician assistant, etc.).

A minimum of 60 credits is required for the degree.

Program Student Learning Outcomes

Students graduating with an Associate of Applied Science in Fire and Emergency Services Technology will be able to:

- Discuss the history, support organizations, resources, incident management, training and emergency operations and relate how each plays a role within emergency services.
- Define and use basic terms and concepts associated with the chemistry and dynamics of fire.
- Relate how fire prevention and fire inspections are connected.
- Demonstrate the importance of public education in relation to fire prevention.
- Identify the equipment and systems used in control and extinguishment of fire.
- Identify the types of building construction and their uniqueness under fire conditions and how these components are related to firefighter and life safety.
- Relate how the basic principles and history related to the national firefighter life safety initiatives foster the need for cultural and behavioral change throughout the emergency services.