

# Associate of Applied Science in Paramedical Technology

*This program is delivered only through Kenai Peninsula College and Matanuska-Susitna College.*

The Associate of Applied Science (AAS) in Paramedical Technology provides students with the fundamental knowledge and skills needed to enter the field of pre-hospital emergency medicine as an entry-level paramedic. Paramedics provide care to acutely ill or injured patients under the medical authority of licensed physicians.

The Commission on Accreditation of Allied Health Education Programs (<http://www.caahep.org/>) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) accredits the UAA paramedic program, with Kenai Peninsula College serving as an alternate location of the accredited program.

Commission on Accreditation of Allied Health Education Programs (CAAHEP) (<http://www.caahep.org/>)  
25400 U.S. Highway 19 North, Suite 158  
Clearwater, FL 33763

Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) (<http://www.coaemsp.org/>)  
8301 Lakeview Parkway, Suite 111-312  
Rowlett TX 75088  
(214) 703-8445  
FAX (214) 703-8992

## Licensure and/or Certification

Graduates of the AAS in Paramedical Technology, from either accredited program, are eligible to take the National Registry Paramedic Certification (NREMT) exam.

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/](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 (<https://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).
- Complete the paramedical technology program application for **either** the Kenai Peninsula Campus (KPC) or the Matanuska-Susitna Campus (MSC) programs as described on the program website by the application deadline.
  - MSC program (<https://matsu.alaska.edu/academic-programs/paramedic-program/>) website and application

- KPC program (<http://www.kpc.alaska.edu/academics/areas-of-study/paramedic/>) website and application
- Submit documentation of:
  - Current National Registry EMT-Basic or state of Alaska EMT-1 certificate
  - Current Healthcare Provider or equivalent CPR certification
  - All current medical certifications or licenses
  - Military DD-214 (long form) if applicable
- Students will initially be admitted to pre-major status. Admission to pre-major status does not guarantee subsequent admission to the major. As a pre-major, students work with an academic advisor to assist them in completing pre-major requirements and preparing them to apply to the full major.

## Special Considerations

- Once admitted to the paramedical technology program, students are required to provide the following before beginning coursework:
  - Documentation from personal physician, PA-C, or NP affirming capability to perform the physical tasks as outlined by the current National Highway Traffic Safety Administration (NHTSA) National EMS Standards
  - Documentation of immunity to hepatitis A and B, confirmed by titer; immunity to chicken pox documented by history, titer, or current immunization; diphtheria/tetanus vaccination within the past 10 years (with booster required at time of expiration); freedom from active tuberculosis, documented annually by negative PPD skin test or by health examination; documentation of HIV testing annually (results not required)
  - Proof of having been found free of federally illegal drugs
- Before starting clinical rotations students must provide:
  - A national-level FBI criminal background check
  - Proof of medical insurance
- Students enrolled in clinical courses must provide their own transportation to clinical assignments and will be required to purchase uniforms and specialized equipment.
- Students will be required to complete up to eight consecutive weeks of clinical rotations outside of the state of Alaska for completion of the degree.

## 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/generaleducationrequirements/>).
- Complete the following major requirements with a minimum grade of B in all PMED courses:

| Code                     | Title   | Credits   |
|--------------------------|---|-----------|
| <b>Core Courses</b>      |   |           |
| BIOL A111<br>& A111L     | Human Anatomy and Physiology I<br>and Human Anatomy and<br>Physiology I Lab   | 4         |
| BIOL A112<br>& A112L     | Human Anatomy and Physiology II<br>and Human Anatomy and<br>Physiology II Lab | 4         |
| PMED A241<br>& PMED A242 | Paramedic I<br>and Clinical Rotation I  | 12        |
| PMED A253<br>& PMED A254 | Paramedic II<br>and Clinical Rotation II                                      | 12        |
| PMED A263<br>& PMED A264 | Paramedic III<br>and Clinical Rotation III                                    | 12        |
| PMED A295                | Paramedic Internship  | 12        |
| <b>Total</b>             |   | <b>56</b> |

A minimum of 68 credits is required for the degree.

## Program Student Learning Outcomes

The current NHTSA National EMS Education Standards for paramedic training covers 14 learning outcomes and the A.A.S. paramedical technology program follows that curriculum.

Program accreditation by the Commission on Accreditation of Allied Health Programs (CAAHEP) and professional certification exams by the National Registry of EMT's (NREMT) are based on the following student learning outcomes.

- Integrates comprehensive knowledge of EMS systems, safety/well-being of the paramedic, and medical/legal and ethical issues, which is intended to improve the health of EMS personnel, patients, and the community.
- Integrates a complex depth and comprehensive breadth of knowledge of the anatomy and physiology of all human systems.
- Integrates comprehensive anatomical and medical terminology and abbreviations into the written and oral communication with colleagues and other health care professionals.
- Integrates comprehensive knowledge of pathophysiology of major human systems.
- Integrates comprehensive knowledge of life span development.
- Applies fundamental knowledge of principles of public health and epidemiology including public health emergencies, health promotion, and illness and injury prevention.
- Integrates comprehensive knowledge of pharmacology to formulate a treatment plan intended to mitigate emergencies and improve the overall health of the patient.
- Integrates complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.
- Integrates scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression. This

includes developing a list of differential diagnoses through clinical reasoning to modify the assessment and formulate a treatment plan.

- Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a medical complaint.
- Integrates comprehensive knowledge of causes and pathophysiology into the management of cardiac arrest and peri-arrest states. Integrates a comprehensive knowledge of the causes and pathophysiology into the management of shock, respiratory failure or arrest with an emphasis on early intervention to prevent arrest.
- Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression to implement a comprehensive treatment/disposition plan for an acutely injured patient.
- Integrates assessment findings with principles of pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for patients with special needs.
- Applies knowledge of operational roles and responsibilities to ensure safe patient, public, and personnel safety.