

# Associate of Applied Science in Paramedical Technology

*This program is delivered only through UAA Kenai Peninsula College with alternate location at UAA's 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 prehospital 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/>) (CAAHEP) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) accredits the Paramedic Program through University of Alaska Anchorage Kenai Peninsula College, with Mat-Su College serving as an alternate location for skills labs 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 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/uaa-state-authorization/authorization.cshhtml/>) 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/>).
- Complete the paramedical technology program application for the Kenai Peninsula Campus (KPC) as described on the program website by the application deadline.
  - KPC program (<http://www.kpc.alaska.edu/academics/areas-of-study/paramedic/>) website and application
- Submit documentation of:

- Current National Registry EMT or Advanced EMT or State of Alaska EMT-1, EMT-2, EMT-3 or Advanced EMT certificate
- Current Healthcare Provider or equivalent CPR certification
- State Background Check
- Military DD-214 if applicable
- Students will initially be admitted to pre-major status through KPC. Admission to pre-major status does not guarantee subsequent admission to the major. As a pre-major, students work with academic and program advisors 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 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 to be submitted)
  - Current Flu and COVID 19 immunizations
  - 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 a 480-hour field internship outside of the state of Alaska for completion of the program and 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 & A111L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab	4
BIOL A112 & A112L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	4
PMED A241 & A241L	Paramedicine I and Paramedicine I Lab	8
PMED A242	Clinical Rotation I	4
PMED A253 & A253L	Paramedicine II and Paramedicine II Lab	8
PMED A254	Clinical Rotation II	4
PMED A263 & A263L	Paramedicine III and Paramedicine III Lab	8
PMED A264	Clinical Rotation III	4
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:

1. Integrate knowledge of EMS systems, safety/well-being of the paramedic, and medical/legal and ethical issues intended to improve the health of EMS personnel, patients, and the community.
2. Integrate a knowledge of the anatomy and physiology of all human systems.
3. Integrate anatomical and medical terminology and abbreviations into written and oral communication with colleagues and other health care professionals.
4. Integrate knowledge of pathophysiology of major human systems.
5. Integrate knowledge of life span development.
6. Apply knowledge of principles of public health and epidemiology including public health emergencies, health promotion, and illness and injury prevention.
7. Integrate knowledge of pharmacology to formulate a treatment plan intended to mitigate emergencies and improve the overall health of the patient.
8. Integrate 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.

9. Integrate scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression including developing a list of differential diagnoses through clinical reasoning to modify the assessment and formulate a treatment plan.

10. Integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a treatment/disposition plan for a patient with a medical complaint.

11. Integrate knowledge of causes and pathophysiology into the management of cardiac arrest and peri-arrest states.

12. Integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression to implement a treatment/disposition plan for an acutely injured patient.

13. Integrate assessment findings with principles of pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a treatment/disposition plan for patients with special needs.

14. Integrate knowledge of operational roles and responsibilities to ensure safe patient, public, and personnel safety.