EMERGENCY MEDICAL SERVICES (EMS)

**EMS F150  Wilderness Emergency Care**
3 Credits
Offered Summer
Introduction to medicine in a remote setting. Assessment and management of life-threatening and non-threatening injuries, common medical emergencies and a variety of environmental injuries. Academically challenging training includes basic anatomy and physiology, appropriate short-term to multi-day patient care, the incident command system and evacuation and considerations.

**Lecture + Lab + Other:** 3 + 0 + 0

**EMS F152  Emergency Trauma Training First Responder**
3 Credits
Offered Summer
Basic emergency care knowledge and skills for the student who will provide the first emergency care. The objective of the first person on the emergency scene is to recognize the needs of the victim and deliver quality care to the patient, minimizing discomfort and preventing further complications.

**Lecture + Lab + Other:** 2 + 2 + 0

**EMS F152P  Emergency Trauma Training First Responder**
3 Credits
Basic emergency care knowledge and skills for the student who will provide the first emergency care. The objective of the first person on the emergency scene is to recognize the needs of the victim and deliver quality care to the patient, minimizing discomfort and preventing further complications.

**Lecture + Lab + Other:** 2 + 2 + 0

**EMS F154  Emergency Trauma Training Refresher**
1 Credit
Offered Summer
For individuals who have been previously certified in Emergency Trauma Training (40 hrs.). Certification is valid for two years.

**Prerequisites:** EMS F152 or ETT Certification which may not be expired more than one calendar year.

**Lecture + Lab + Other:** 1 + 0 + 0

**EMS F154P  Emergency Trauma Training Refresher**
1 Credit
For individuals who have been previously certified in Emergency Trauma Training (40 hrs.). Certification is valid for two years.

**Prerequisites:** EMS F152 or ETT Certification which may not be expired more than one calendar year.

**Lecture + Lab + Other:** 1 + 0 + 0

**EMS F170  EMT: Emergency Medical Technician I**
6 Credits
Offered As Demand Warrants
Basic life support such as splinting, hemorrhage control, oxygen therapy, suction, CPR and use of automated external defibrillators (AEDs). EMT I is the foundation of all emergency medical training. Mastering of EMT I level knowledge and techniques must occur before moving on to advanced levels.

**Cross-listed with ARSK F170.**

**Lecture + Lab + Other:** 4 + 4 + 0

**EMS F170P  EMT: Emergency Medical Technician I**
6 Credits
Basic life support such as splinting, hemorrhage control, oxygen therapy, suction, CPR and use of automated external defibrillators (AEDs). EMT I is the foundation of all emergency medical training. Mastering of EMT I level knowledge and techniques must occur before moving on to advanced levels.

**Cross-listed with ARSK F170.**

**Lecture + Lab + Other:** 4 + 4 + 0

**EMS F173  EMT I Internship**
6 Credits
Offered As Demand Warrants
Synthesize cognitive and psychomotor skills from the EMT I course and observe skills performed by Advanced Care Providers. Designed for individuals planning to participate in the CTC paramedic program in the fall semester. Interns will perform all aspects of emergency care for an Alaska certified EMT I under the guidance of an Advanced Care Provider.

**Prerequisites:** EMS F170; concurrent EMT I certification.

**Lecture + Lab + Other:** 0 + 16 + 0

**EMS F181  Clinical Rotation I**
4 Credits
Offered Fall
Perform paramedic skills in the hospital setting under the guidance of a clinical preceptor. Rotations include the emergency department, ICU, operating room, respiratory therapy, and mental health units. Provides an in-depth look at the respiratory, circulatory and nervous systems. Includes interpretation of cardiac rhythms and advanced cardiac life support.

**Prerequisites:** Permission of program coordinator.

**Special Notes:** Student must have the strength to be able to move patients, sufficient vision to assess the condition of the patient and the dexterity to perform the skills of a paramedic.

**Lecture + Lab + Other:** 0 + 4 + 4

**EMS F183  Clinical Rotation II**
4 Credits
Offered Spring
Perform paramedic skills in the hospital setting under the guidance of a clinical preceptor. Rotations include the emergency department, ICU, OR, labor and delivery, pediatrics and geriatrics.

**Prerequisites:** EMS F181.

**Special Notes:** Student must have the strength to be able to move patients, sufficient vision to assess the condition of the patient and the dexterity to perform the skills of a paramedic.

**Lecture + Lab + Other:** 0 + 4 + 4

**EMS F253  Alaska EMT Instructor Orientation**
3 Credits
Offered As Demand Warrants
Adult education and learning environment, as well as regulations governing the teaching of EMTs in the state of Alaska. This course is designed to be an intensive learning experience with extensive out-of-class preparation. Proficiency with EMT skills and knowledge prior to entering this training program is expected as there will be no review of EMT skills or knowledge during this class.

**Prerequisites:** Current EMT I, II, III or MICP certification and three years of experience; evidence of successful completion of state of Alaska practical exam and written exam with a score of 90% within the last 12 months.

**Recommended:** FIRE F216.

**Lecture + Lab + Other:** 3 + 0 + 0
EMS F257    Arctic Survival
3 Credits
Offered Spring
Use of principles, procedures, techniques and equipment to survive extreme Arctic conditions and assist in safe recovery. Lab required.
Cross-listed with AVTY F231.
Lecture + Lab + Other: 3 + 0 + 0

EMS F261    EMT: Emergency Medical Technician II
3 Credits
Offered As Demand Warrants
Advancement of EMT I skills and knowledge through advanced techniques in fluid therapy and advance airway management. Includes use of specific drug therapy.
Prerequisites: EMT I certification and proof of 10 patient contacts as an EMT I.
Lecture + Lab + Other: 2 + 2 + 0

EMS F261P    EMT: Emergency Medical Technician II
3 Credits
Advancement of EMT I skills and knowledge through advanced techniques in fluid therapy and advance airway management. Includes use of specific drug therapy.
Prerequisites: EMT I certification and documentation of 10 patient contacts by the first day of class as described in State EMT regulations: 7AAC26.010.
Lecture + Lab + Other: 2 + 2 + 0

EMS F265P    Emergency Medical Technician III
2 Credits
Introduction to basic cardiac anatomy and physiology, cardiac electrophysiology, recognition and treatment of basic lethal arrhythmias, use of monitor, defibrillator and pharmacological management.
Prerequisites: EMT II certification and proof of 10 patient contacts and venipunctures as an EMT II.
Lecture + Lab + Other: 0.5 + 3 + 0

EMS F270    Advanced Emergency Medical Technician
10 Credits
Offered Fall and Spring
The Advanced Emergency Medical Technician (AEMT) training includes invasive procedures such as IV therapy, the use of advanced airway devices and medication administration. Individuals that complete the course are eligible to take the National Registry AEMT exam.
Prerequisites: Current state or national EMT certification; current AHA CPR certification; departmental approval.
Lecture + Lab + Other: 8 + 6 + 0

EMS F280    Paramedicine I
12 Credits
Offered Fall
Introduction to emergency medical services, the roles and responsibilities of a paramedic and medical/legal/ethical issues. Basic pathophysiology, pharmacology, venous access and advanced airway management techniques. Also includes an in-depth look at the circulatory, respiratory and nervous systems which includes interpretation of cardiac rhythms, pharmacology and advanced cardiac life support.
Prerequisites: EMS F170.
Recommended: HLTH F114 or equivalent.
Special Notes: Student must apply for admission into the Paramedic Academy; Applications are reviewed by the Paramedic Advisory board; Student must have the strength to be able to move patients, sufficient vision to assess the condition of the patient and the dexterity to perform the skills of a paramedic.
Lecture + Lab + Other: 8 + 8 + 0

EMS F282    Paramedicine II
12 Credits
Offered Spring
Assessment and management of medical emergencies, geriatrics, pediatrics and traumatic injuries. Includes pediatric advanced life support and basic trauma life support certifications.
Prerequisites: EMS F280.
Special Notes: Student must have the strength to be able to move patients, sufficient vision to assess the condition of the patient and the dexterity to perform the skills of a paramedic.
Lecture + Lab + Other: 8 + 8 + 0

EMS F283    Paramedic Internship
12 Credits
Offered Summer
Prehospital field experience under the guidance of a paramedic preceptor on an advanced life support ambulance. Interns perform all aspects of paramedic care.
Prerequisites: EMS F183.
Special Notes: Student must have the strength to be able to move patients, sufficient vision to assess the condition of the patient and the dexterity to perform the skills of a paramedic.
Lecture + Lab + Other: 0 + 24 + 0

EMS F287    Paramedic Refresher
3 Credits
Offered As Demand Warrants
Integration of paramedicine knowledge and techniques with evaluation of applied skills.
Prerequisites: Current State of Alaska or National Registry paramedic license.
Special Notes: Student must have the strength to be able to move patients, sufficient vision to assess the condition of the patient and the dexterity to perform the skills of a paramedic.
Lecture + Lab + Other: 2 + 2 + 0