EMERGENCY MEDICAL SERVICES (EMS)

EMS F121  Emergency Med Tech II
2 Credits
Lecture + Lab + Other: 2 + 0 + 0

EMS F123  Emergency Med Tech III
3 Credits
Lecture + Lab + Other: 3 + 0 + 0

EMS F150  Wilderness Emergency Care
3 Credits
Offered As Demand Warrants
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
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 Fall
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 F160  Basic Trauma Life Support
1 Credit
Offered As Demand Warrants
Provides the first line of life support to the trauma patient as encountered
in situ and to maintain life until the patient is handed off to the next level
of medical help.
Lecture + Lab + Other: 1 + 0 + 0

EMS F168  ETT to EMT Bridge Course
3 Credits
Offered As Demand Warrants
Allow certified emergency trauma technician (ETT) to progress to the
emergency medical technician in an efficient manner. Credits the ETT
with the knowledge and skills learned in primary training.
Prerequisites: Current Emergency Trauma Technician certificate.
Lecture + Lab + Other: 0.5 + 5 + 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
ETM 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
ETM 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 F172  EMT: Emergency Medical Technician I Refresher
1 Credit
Offered Fall
Review of basic skills and emergency medical procedures at the Basic
EMT I level. Covers emergency medical care procedural changes, newly
developed equipment and its use, changes in state licensure or other
medical-legal requirements. Also offered Pass/Fail as EMS F172P.
Prerequisites: EMT I certification.
Lecture + Lab + Other: 0.5 + 1 + 0

EMS F173  EMT I Internship
6 Credits
Offered Spring
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; permission of
instructor.
Lecture + Lab + Other: 0 + 16 + 0

EMS F176  Aeromedical Evacuations in Alaska (a)
1 Credit
Offered Fall
History of Alaska aeromedical transport; physiological aspects of
pressure and atmosphere; physical effects of flight on the patient
and escort; aircraft and equipment considerations; legal aspects of
air transport; effects of aeromedical transport on specific medical
situations.
Prerequisites: EMT I certification or permission of instructor.
Lecture + Lab + Other: 1 + 0 + 0
EMS F181 Clinical Rotation I
4 Credits
Offered Fall, As Demand Warrants
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. Note: 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.
Prerequisites: Permission of program coordinator.
Lecture + Lab + Other: 0 + 4 + 4

EMS F183 Clinical Rotation II
4 Credits
Offered Spring, As Demand Warrants
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. Note: 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.
Prerequisites: EMS F181.
Lecture + Lab + Other: 0 + 4 + 4

EMS F195 Special Topics
1-6 Credits
Lecture + Lab + Other: 0 + 0 + 0

EMS F251 Basic Life Support Instructor
1 Credit
Offered As Demand Warrants
The American Heart Association Basic Life Support instructor's course provides the knowledge and skills necessary to instruct and evaluate potential BLS providers. Balances what information to teach with how to teach BLS. The BLS instructor student will be monitored during the first class she/he teaches by the BLS instructor trainer.
Prerequisites: Basic Life Support certified; permission of program coordinator.
Lecture + Lab + Other: 1 + 0 + 0

EMS F253 Alaska EMT Instructor Orientation (a)
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 (a)
3 Credits
Offered Spring
Principles, procedures, techniques and equipment necessary to survive extreme Arctic conditions and to 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 Spring
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 F265 Emergency Medical Technician III
2 Credits
Offered Fall
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 10 venipunctures as an EMT II.
Lecture + Lab + Other: 0.5 + 3 + 0

EMS F265P Emergency Medical Technician III
2 Credits
Offered Fall
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 10 venipunctures as an EMT II.
Lecture + Lab + Other: 0.5 + 3 + 0

EMS F267 Advanced Medical Procedures
1 Credit
Offered As Demand Warrants
State requirements for recertification at the EMT II or III levels. Reviews advanced medical skills and emergency medical procedures at the EMT II and III levels. Emergency medical care procedural changes, newly developed equipment and its use, changes in state certification and other medical-legal requirements. Course may be repeated ten times but not for credit.
Prerequisites: Current EMT II or III certification.
Lecture + Lab + Other: 0.5 + 1 + 0

EMS F270 Advanced Emergency Medical Technician
10 Credits
Offered As Demand Warrants
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, As Demand Warrants
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. Note: Student must apply for admission into the Paramedic Academy. Applications are reviewed by the Paramedic Advisory board. Note: 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.

Prerequisites: EMS F170.
Recommended: HTLH F114 or equivalent.
Lecture + Lab + Other: 8 + 8 + 0

EMS F282  Paramedicine II
12 Credits
Offered Spring, As Demand Warrants
Assessment and management of medical emergencies, geriatrics, pediatrics and traumatic injuries. Includes pediatric advanced life support and basic trauma life support certifications. Note: 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.

Prerequisites: EMS F280.
Lecture + Lab + Other: 8 + 8 + 0

EMS F283  Paramedic Internship
12 Credits
Offered Spring
Prehospital field experience under the guidance of a paramedic preceptor on an advanced life support ambulance. Interns perform all aspects of paramedic care. Note: 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.

Prerequisites: EMS F183; EMS F277.
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. Note: 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.

Prerequisites: Current State of Alaska or National Registry paramedic license.
Lecture + Lab + Other: 2 + 2 + 0