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**EMERGENCY MEDICAL SERVICES (EMS)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>EMS F121</td>
<td>Emergency Med Tech II</td>
<td>2</td>
<td>Lecture + Lab + Other: 2 + 0 + 0</td>
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<tr>
<td>EMS F123</td>
<td>Emergency Med Tech III</td>
<td>3</td>
<td>Lecture + Lab + Other: 3 + 0 + 0</td>
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<td>EMS F150</td>
<td>Wilderness Emergency Care</td>
<td>3</td>
<td>Lecture + Lab + Other: 3 + 0 + 0</td>
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<tr>
<td>EMS F152</td>
<td>Emergency Trauma Training First Responder</td>
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<tr>
<td>EMS F154</td>
<td>Emergency Trauma Training Refresher</td>
<td>1</td>
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<tr>
<td>EMS F154P</td>
<td>Emergency Trauma Training Refresher</td>
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<tr>
<td>EMS F160</td>
<td>Basic Trauma Life Support</td>
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<td>EMS F168</td>
<td>ETT to EMT Bridge Course</td>
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<tr>
<td>EMS F170</td>
<td>EMT: Emergency Medical Technician I</td>
<td>6</td>
<td>Lecture + Lab + Other: 4 + 4 + 0</td>
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<tr>
<td>EMS F170P</td>
<td>EMT: Emergency Medical Technician I</td>
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<td>Lecture + Lab + Other: 0.5 + 1 + 0</td>
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<tr>
<td>EMS F172</td>
<td>EMT: Emergency Medical Technician I Refresher</td>
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<td>Lecture + Lab + Other: 0 + 16 + 0</td>
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<td>EMS F173</td>
<td>EMT I Internship</td>
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<tr>
<td>EMS F176</td>
<td>Aeromedical Evacuations in Alaska</td>
<td>(a)</td>
<td>Lecture + Lab + Other: 1 + 0 + 0</td>
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</table>
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: 1 + 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 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 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
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 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
Emergency Medical Services (EMS) 3

EMS F270  Advanced Emergency Medical Technician 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.

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