# Emergency Medical Services (EMS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Lecture + Lab + Other:</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS F121</td>
<td>Emergency Med Tech II</td>
<td>2</td>
<td>2 + 0 + 0</td>
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<tr>
<td>EMS F123</td>
<td>Emergency Med Tech III</td>
<td>3</td>
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<tr>
<td>EMS F150</td>
<td>Wilderness Emergency Care</td>
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<tr>
<td>EMS F152</td>
<td>Emergency Trauma Training First Responder</td>
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<tr>
<td>EMS F152P</td>
<td>Emergency Trauma Training First Responder</td>
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<td>EMS F154</td>
<td>Emergency Trauma Training Refresher</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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<tr>
<td>EMS F168</td>
<td>ETT to EMT Bridge Course</td>
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<td>EMS F170</td>
<td>EMT: Emergency Medical Technician I</td>
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<td>EMS F170P</td>
<td>EMT: Emergency Medical Technician I</td>
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<td>EMS F172</td>
<td>EMT: Emergency Medical Technician I Refresher</td>
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<td>EMS F173</td>
<td>EMT Internship</td>
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<td>0 + 16 + 0</td>
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<tr>
<td>EMS F176</td>
<td>Aeromedical Evacuations in Alaska</td>
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<td>0 + 16 + 0</td>
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</tbody>
</table>

**Prerequisites:**
- EMS F121, EMS F123, EMS F150, EMS F152, EMS F152P, EMS F154, EMS F154P, EMS F160, and EMS F168 all require the appropriate training or certification.
- EMS F152, EMS F152P, EMS F154, and EMS F154P require current certification.
- EMS F170 and EMS F170P require current certification.
- EMS F172 requires current certification.
- EMS F173 requires current certification.
- EMS F176 requires current certification.

**Offered As Demand Warrants:**
- EMS F168 for EMTs who have completed prelicensure training.
- EMS F176 for courses that are not currently offered.

**Description:**
- EMS F121: This course covers advanced medical care for trauma patients, including advanced life support and critical care.
- EMS F123: This course builds on the concepts of EMS F121, focusing on advanced trauma care.
- EMS F150: This course is designed for those who need advanced wilderness medical care, including assessment, stabilization, and evacuation.
- EMS F152: This course provides basic trauma care for first responders, including splinting, hemorrhage control, oxygen therapy, and basic medical procedures.
- EMS F152P: This course is a refresher for those who have already completed EMS F152.
- EMS F154: This course refocuses on advanced trauma care, including more complex medical procedures and decision-making.
- EMS F154P: This course is a refresher for those who have already completed EMS F154.
- EMS F160: This course offers advanced trauma care for those who have completed prelicensure training.
- EMS F168: This course is offered to EMTs who have completed prelicensure training.
- EMS F170: This course provides basic trauma care for EMTs, including emergency procedures and decision-making.
- EMS F170P: This course is a refresher for those who have completed EMS F170.
- EMS F172: This course is a refresher for EMTs, focusing on advanced life support and critical care.
- EMS F173: This course is for those planning to participate in the paramedic program, providing advanced trauma care.
- EMS F176: This course is for those who require advanced aeromedical skills, including air transport and patient care in remote settings.

**Course Notes:**
- EMS F121 and EMS F123 are offered as demand warrants.
- EMS F152 and EMS F152P are offered as demand warrants for those who have completed prelicensure training.
- EMS F154, EMS F154P, EMS F160, EMS F168, and EMS F170 are offered as demand warrants for those who have completed prelicensure training.
- EMS F170P is offered as demand warrants for those who have completed prelicensure training.
- EMS F172 is offered as demand warrants for those who have completed prelicensure training.
- EMS F173 is offered as demand warrants for those who have completed prelicensure training.
- EMS F176 is offered as demand warrants for those who require advanced aeromedical skills.
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
Offered Fall, As Demand Warrants
Special topics in the field of emergency medical services. Prerequisites: Permission of program coordinator.
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 advanced 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
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 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
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