

Emergency Services



College of Rural Alaska

Tanana Valley Campus

(907) 474-5079

www.tvc.uaf.edu/programs/emer-info.html

Certificate; Degree: A.A.S.

Minimum Requirements for Certificate: 30-35 credits;

for Degree: 60-63 credits

The UAF emergency services program provides classroom education, hands-on training and practical vocational experience through 10 local fire and rescue organizations. The program offers students a fundamental working knowledge of the various aspects of municipal fire, wildland fire, emergency medical services and hazardous materials control.

Instructors provide a high level of technical expertise on a variety of specialty emergency services. The primary goal of this program is to make our students the most attractive candidates for job openings and promotions within fire and other emergency services fields.

Associate degrees and certificate programs in municipal fire control, wildlands fire control, hazardous materials, emergency medical services, and public safety are offered.

UNDERGRADUATE PROGRAM

MAJOR

Emergency Services—Certificate

Concentrations: Emergency Medical Services, Hazardous Materials Control, Municipal Fire Control, Public Safety, and Wildlands Fire Control

Emergency Medical Services

1. Complete the certificate requirements (page 30).
2. Complete the following:
 - EMS 170—EMT: Emergency Medical Technician I 6
 - EMS 180—Paramedicine I 8
 - EMS 182—Paramedicine II 8
 - EMS 271—Paramedicine III 9
3. Minimum credits required 31

Hazardous Materials Control

1. Complete the certificate requirements (page 30).
2. Complete the following:
 - EMS 152—Emergency Trauma Training First Responder (3) or EMS 170—EMT: Emergency Medical Technician I (6) 3-6
 - FIRE 110—Introduction to Hazardous Waste Operations and Emergency Response 3
 - FIRE 121—Fire Behavior and Combustion 3
 - FIRE 203—Hazardous Materials Chemistry I 3
 - FIRE 205—Hazardous Materials Chemistry II 3
 - FIRE 207—Hazardous Materials Technician 3
 - FIRE 209—Hazardous Materials Command/Safety Officer 3
 - FIRE 210—Fire Administration I 3
 - Major electives 3-6
3. Minimum credits required 30

Municipal Fire Control

1. Complete the certificate requirements (page 30).
2. Complete the following:
 - EMS 152—Emergency Trauma Training First Responder (3) or EMS 170—EMT: Emergency Medical Technician I (6) 3-6
 - FIRE 101—Principles of Emergency Service 3
 - FIRE 105—Fire Prevention 3
 - FIRE 107—Strategy and Tactics 3
 - FIRE 117—Rescue Practices 3
 - FIRE 202—Fire Protection Hydraulics and Water Supply 3
 - FIRE 203—Hazardous Materials Chemistry I 3
 - FIRE 210—Fire Administration I 3
 - Major electives 6
3. Minimum credits required 30-33

Public Safety

1. Complete the certificate requirements (page 30).
2. Complete the following:
 - AVTY 231—Arctic Survival 3
 - EMS 170—EMT: Emergency Medical Technician I 6
 - EMS 176—Aeromedical Evacuations in Alaska 1
 - FIRE 105—Fire Prevention 3
 - FIRE 110—Introduction to Hazardous Waste Operations and Emergency Response 3
 - FIRE 117—Rescue Practices 3
 - FIRE 171—Vessel Safety: Emergency Equipment and Procedures 1
 - FIRE 218—Advanced Rescue Practices 3
 - JUST 110—Introduction to Justice 3
 - JUST 340—Rural Justice in Alaska 3
 - Major electives 6
3. Minimum credits required 35

Wildlands Fire Control

1. Complete the certificate requirements (page 30).
2. Complete the following:
 - EMS 152—Emergency Trauma Training First Responder (3) and major specialty electives (3) or
 - EMS 170—EMT: Emergency Medical Technician I (6) 6
 - FIRE 151—Wildland Fire Control I 3
 - FIRE 155—Wildland Fire Behavior 3
 - FIRE 157—Wildland Air Operations and Safety 3
 - FIRE 159—Wildland Fire Operations Function 3
 - FIRE 252—Wildland Fire Prevention 3
 - FIRE 254—Wildland Fire Finance Function 3
 - FIRE 262—Wildland Fire Control II 3
 - Major electives 3
3. Minimum credits required 30



University of Alaska Fairbanks

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Emergency Services—A.A.S. Degree
Concentrations: Emergency Medical Services, Hazardous Materials Control, Municipal Fire Control, Public Safety and Wildlands Fire Control

Emergency Medical Services

1. Complete the general university requirements (page 28).
2. Complete the A.A.S. degree requirements (page 31).
3. Complete the following program (major) requirements:
 - EMS 170—EMT: Emergency Medical Technician I 6
 - EMS 180—Paramedicine I 8
 - EMS 182—Paramedicine II 8
 - EMS 186—Clinical Rotation I 4
 - EMS 271—Paramedicine III 9
 - EMS 275—Clinical Rotation II 4
 - EMS 277—Clinical Rotation III 3
 - EMS 283—Parmedic Internship 12
 - HLTH 114—Fundamentals of Anatomy and Physiology 4
4. Minimum credits required 73

Hazardous Materials Control

1. Complete the general university requirements (page 28).
2. Complete the A.A.S. degree requirements (page 31).
3. Complete the following program (major) requirements:*
 - a. Complete the following:
 - EMS 170—EMT: Emergency Medical Technician I 6
 - FIRE 110—Introduction to Hazardous Waste Operations and Emergency Response 3
 - FIRE 121—Fire Behavior and Combustion 3
 - FIRE 131—Fire Fighter I Series I 3
 - FIRE 133—Fire Fighter I Series II 3
 - FIRE 135—Fire Fighter I Series III 3
 - FIRE 137—Fire Fighter I Series IV 3
 - FIRE 203—Hazardous Materials Chemistry I 3
 - FIRE 205—Hazardous Materials Chemistry II 3
 - FIRE 207—Hazardous Materials Technician 3
 - FIRE 209—Hazardous Materials Command/Safety Officer 3
 - FIRE 210—Fire Administration I 3
 - b. Complete 9 credits from the following major elective courses:
 - FIRE 212—Building and Fire Codes 3
 - FIRE 215—Advanced Hazardous Materials Technician 3
 - FIRE 216—Methods of Instruction for Emergency Services Training . 3
 - FIRE 231—Hazardous Materials Tactical Operations 3
 - FIRE 249—Computer Aided Management of Emergency Operations . 3
 - FIRE 293—Special Topics 3
4. General electives 6
5. Minimum credits required 69

* Student must earn a C grade or better in each course.

Note: Major electives and general electives must be approved by the student's advisor.

Municipal Fire Control

1. Complete the general university requirements (page 28).
2. Complete the A.A.S. degree requirements (page 31).
3. Complete the following program (major) requirements:*
 - a. Complete the following:
 - EMS 170—EMT: Emergency Medical Technician I (6) 6
 - FIRE 101—Principles of Emergency Services 3
 - FIRE 105—Fire Prevention 3
 - FIRE 107—Strategy and Tactics 3
 - FIRE 117—Rescue Practices 3
 - FIRE 121—Fire Behavior and Combustion 3
 - FIRE 131—Fire Fighter I Series I 3
 - FIRE 133—Fire Fighter I Series II 3
 - FIRE 135—Fire Fighter I Series III 3
 - FIRE 137—Fire Fighter I Series IV 3
 - FIRE 202—Fire Protection Hydraulics and Water Supply 3
 - FIRE 203—Hazardous Materials Chemistry I 3
 - FIRE 206—Building Construction for Fire Protection 3
 - FIRE 210—Fire Administration I 3
 - FIRE 214—Fire Protection Systems 3
 - b. Complete 6 credits from the following major specialty electives:
 - FIRE 115—Fire Apparatus and Equipment 3
 - FIRE 123—Fire Investigations I 3
 - FIRE 151—Wildland Fire Control I 3
 - FIRE 205—Hazardous Materials Chemistry II 3
 - FIRE 212—Building and Fire Codes 3
 - FIRE 216—Methods of Instruction for Emergency Services Training . 3
 - FIRE 218—Advance Rescue Practices 3
 - FIRE 232—Fire Fighter II 3
 - EMS 261—EMT: Emergency Medical Technician II 3
4. Minimum credits required 69

* Student must earn a C grade or better in each course.

Note: Major electives and general electives must be approved by the student's advisor.

Public Safety

1. Complete the general university requirements (page 28).
2. Complete the A.A.S. degree requirements (page 31).
3. Complete the following program (major) requirements*:
 - a. Complete the following:
 - AVTY 231/EMS 257—Arctic Survival 3
 - EMS 170—EMT: Emergency Medical Technician I 6
 - EMS 176—Aeromedical Evacuations in Alaska 1
 - FIRE 105—Fire Prevention 3
 - FIRE 110—Introduction to Hazardous Waste Operations and Emergency Response 3
 - FIRE 117—Rescue Practices 3
 - FIRE 127—Vessel Safety: Emergency Equipment and Procedures 1
 - FIRE 131—Firefighter I, Series I 3
 - FIRE 133—Firefighter I, Series II 3
 - FIRE 135—Firefighter I, Series III 3
 - FIRE 137—Firefighter I, Series IV 3
 - FIRE 218—Advanced Rescue Practices 3
 - JUST 110—Introduction to Justice 3
 - JUST 340—Rural Justice in Alaska 3
 - JUST 358—Juvenile Delinquency 3





b. Complete 9 credits from the following major electives:

EMS 261—EMT: Emergency Medical Technician II	3
FIRE 123—Fire Investigations I	3
FIRE 151—Wildland Fire Control I	3
FIRE 212—Building and Fire Codes	3
FIRE 216—Methods of Instruction for Emergency Services Training ..	3
JUST 345W—Police Problems	3
JUST 352—Criminal Law	3
JUST 354—Procedural Law	3
4. Minimum credits required	73

* Student must earn a C grade or better in each course.

Wildlands Fire Control

1. Complete the general university requirements (page 28).
2. Complete the A.A.S. degree requirements (page 31).
3. Complete the following program (major) requirements:*

a. Complete the following:

EMS 170—EMT: Emergency Medical Technician I	6
FIRE 131—Firefighter I, Series I	3
FIRE 133—Firefighter I, Series II	3
FIRE 135—Firefighter I, Series III	3
FIRE 137—Firefighter I, Series IV	3
FIRE 151—Wildland Fire Control I	3
FIRE 155—Wildland Fire Behavior	3
FIRE 157—Wildland Air Operations and Safety	3
FIRE 159—Wildland Fire Operations Function	3
FIRE 252—Wildland Fire Prevention	3
FIRE 254—Wildland Fire Finance Function	3
FIRE 262—Wildland Fire Control II	3

b. Complete 9 credits from the following major elective courses:

FIRE 161—Wildland Fire Logistics Function	3
FIRE 165—Wildland Fire Planning Function	3
FIRE 216—Methods of Instruction for Emergency Services Training ..	3
FIRE 256—Wildland Fire Planning and Multiple Use Management ...	3
FIRE 258—Wildland Fuels Management	3
FIRE 270—Wildland Fire Command Function	3
4. Complete general electives	6
5. Minimum credits required	69

* Student must earn a C grade or better in each course.

Note: Major electives and general electives must be approved by the student's advisor.

MINOR

1. Complete the following:

FIRE 131—Firefighter I, Series I	3
FIRE 133—Firefighter I, Series II	3
FIRE 135—Firefighter I, Series III	3
FIRE 137—Firefighter I, Series IV	3
EMS 170—Emergency Medical Technician I	6
2. Minimum credits required

