

# Emergency Services

College of Rural and Community Development  
Tanana Valley Campus  
907-455-2853  
www.tvc.uaf.edu/programs/emergency/

## A.A.S. Degree

Minimum Requirements for Degree: 68 – 73 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 in municipal fire control, wildlands fire control, hazardous materials, emergency medical services and public safety are offered.

## Major — A.A.S. Degree

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

### Emergency Medical Services

1. Complete the general university requirements (page 86).
  2. Complete the A.A.S. degree requirements (page 90).
  3. Complete the following program (major) requirements:\*
    - EMS F170—EMT: Emergency Medical Technician I.....6
    - EMS F181—Clinical Rotation I.....4
    - EMS F183—Clinical Rotation II.....4
    - EMS F280—Paramedicine I.....12
    - EMS F282—Paramedicine II.....12
    - EMS F283—Paramedic Internship.....12
    - HLTH F114—Fundamentals of Anatomy and Physiology (4)  
or BIOL F111X and F112X.....8
  4. Minimum credits required..... 69-73
- \* Student must earn a C grade or better in each course.

### Hazardous Materials Control

1. Complete the general university requirements (page 86).
2. Complete the A.A.S. degree requirements (page 90).
3. Complete the following program (major) requirements:\*
  - a. Complete the following:
    - EMS F170—EMT: Emergency Medical Technician I.....6
    - FIRE F110—Introduction to Hazardous Waste Operations  
and Emergency Response.....3
    - FIRE F121—Fire Behavior and Combustion.....3
    - FIRE F131—Fire Fighter I Series I.....3
    - FIRE F133—Fire Fighter I Series II.....3
    - FIRE F135—Fire Fighter I Series III.....3
    - FIRE F137—Fire Fighter I Series IV.....3
    - FIRE F203—Hazardous Materials Chemistry I.....3
    - FIRE F205—Hazardous Materials Chemistry II.....3
    - FIRE F207—Hazardous Materials Technician.....3
    - FIRE F209—Hazardous Materials Command/Safety Officer.....3
    - FIRE F210—Fire Administration I.....3

- b. Complete 9 credits from the following major elective courses:
    - FIRE F212—Building and Fire Codes.....3
    - FIRE F215—Advanced Hazardous Materials Technician.....3
    - FIRE F216—Methods of Instruction for Emergency  
Services Training.....3
    - FIRE F231—Hazardous Materials Tactical Operations.....3
    - FIRE F249—Computer Aided Management of Emergency  
Operations.....3
    - FIRE F293—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 86).
  2. Complete the A.A.S. degree requirements (page 90).
  3. Complete the following program (major) requirements:\*
    - a. Complete the following:
      - EMS F170—EMT: Emergency Medical Technician I.....6
      - FIRE F101—Principles of Emergency Services.....3
      - FIRE F105—Fire Prevention.....3
      - FIRE F107—Strategy and Tactics.....3
      - FIRE F117—Rescue Practices.....3
      - FIRE F121—Fire Behavior and Combustion.....3
      - FIRE F131—Fire Fighter I Series I.....3
      - FIRE F133—Fire Fighter I Series II.....3
      - FIRE F135—Fire Fighter I Series III.....3
      - FIRE F137—Fire Fighter I Series IV.....3
      - FIRE F202—Fire Protection Hydraulics and Water Supply.....3
      - FIRE F203—Hazardous Materials Chemistry I.....3
      - FIRE F206—Building Construction for Fire Protection.....3
      - FIRE F210—Fire Administration I.....3
      - FIRE F214—Fire Protection Systems.....3
    - b. Complete 6 credits from the following major specialty electives:
      - FIRE F115—Fire Apparatus and Equipment.....3
      - FIRE F123—Fire Investigations I.....3
      - FIRE F151—Wildland Fire Control I.....3
      - FIRE F205—Hazardous Materials Chemistry II.....3
      - FIRE F207—Hazardous Materials Technician.....3
      - FIRE F212—Building and Fire Codes.....3
      - FIRE F216—Methods of Instruction for Emergency  
Services Training.....3
      - FIRE F218—Advanced Rescue Practices.....3
      - FIRE F232—Fire Fighter II.....3
      - EMS F261—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 must be approved by the student's advisor.

## Public Safety

1. Complete the general university requirements (page 86).
  2. Complete the A.A.S. degree requirements (page 90).
  3. Complete the following program (major) requirements:\*
    - a. Complete the following:
      - AVTY F231/EMS F257—Arctic Survival.....3
      - EMS F170—EMT: Emergency Medical Technician I.....6
      - EMS F176—Aeromedical Evacuations in Alaska .....1
      - FIRE F101—Principles of Emergency Services .....3
      - FIRE F105—Fire Prevention .....3
      - FIRE F117—Rescue Practices .....3
      - FIRE F127—Vessel Safety: Emergency Equipment and Procedures .....1
      - FIRE F131—Firefighter I, Series I.....3
      - FIRE F133—Firefighter I, Series II.....3
      - FIRE F135—Firefighter I, Series III.....3
      - FIRE F137—Firefighter I, Series IV.....3
      - FIRE F218—Advanced Rescue Practices.....3
      - JUST F110—Introduction to Justice.....3
      - JUST F340—Rural Justice in Alaska.....3
      - JUST F358—Juvenile Delinquency .....3
    - b. Complete 9 credits from the following major electives:
      - EMS F261—EMT: Emergency Medical Technician II.....3
      - FIRE F123—Fire Investigations I.....3
      - FIRE F151—Wildland Fire Control I.....3
      - FIRE F212—Building and Fire Codes .....3
      - FIRE F216—Methods of Instruction for Emergency Services Training.....3
      - JUST F345W—Police Problems .....3
      - JUST F352—Criminal Law .....3
      - JUST F354—Procedural Law.....3
  4. Minimum credits required .....68
- \* Student must earn a C grade or better in each course.

## Wildland Fire Control

1. Complete the general university requirements (page 86).
2. Complete the A.A.S. degree requirements (page 90).
3. Complete the following program (major) requirements:\*
  - a. Complete the following:
    - EMS F170—EMT: Emergency Medical Technician I.....6
    - FIRE F131—Firefighter I, Series I.....3
    - FIRE F133—Firefighter I, Series II.....3
    - FIRE F135—Firefighter I, Series III.....3
    - FIRE F137—Firefighter I, Series IV.....3
    - FIRE F151—Wildland Fire Control I.....3
    - FIRE F153—Advanced Wildland Firefighter .....3
    - FIRE F155—Wildland Fire Behavior.....3
    - FIRE F157—Wildland Air Operations and Safety.....3
    - FIRE F159—Wildland Fire Operations Function .....3
    - FIRE F252—Wildland Fire Prevention .....3
    - FIRE F254—Wildland Fire Finance Function .....3
    - FIRE F262—Wildland Fire Control II.....3

- b. Complete 12 credits from the following major elective courses:
  - FIRE F161—Wildland Fire Logistics Function .....3
  - FIRE F165—Wildland Fire Planning Function.....3
  - FIRE F216—Methods of Instruction for Emergency Services Training.....3
  - FIRE F256—Wildland Fire Planning and Multiple Use Management .....3
  - FIRE F258—Wildland Fuels Management.....3
  - FIRE F270—Wildland Fire Command Function .....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.

## Minor

1. Complete the following:
  - FIRE F131—Firefighter I, Series I.....3
  - FIRE F133—Firefighter I, Series II.....3
  - FIRE F135—Firefighter I, Series III.....3
  - FIRE F137—Firefighter I, Series IV.....3
  - EMS F170—Emergency Medical Technician I.....6
2. Minimum credits required .....18