

EMERGENCY SERVICES

College of Rural and Community Development
Community and Technical College
907-455-2853
www.ctc.uaf.edu/programs/emergency/

AAS Degree

Minimum Requirements for Degree: 63 – 69 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, 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 and public safety are offered.

Major — AAS Degree

Concentrations: Hazardous Materials Control, Municipal Fire Control, Public Safety and Wildland Fire Control

Hazardous Materials Control

1. Complete the general university requirements (page 95).
 2. Complete the AAS degree requirements (page 99). 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 Combustion3
 - FIRE F131—Fire Fighter I Series I.....3
 - FIRE F133—Fire Fighter I Series II.....3
 - FIRE F135—Fire Fighter I Series III3
 - FIRE F137—Fire Fighter I Series IV3
 - 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 Officer3
 - FIRE F210—Fire Administration I.....3
 - b. Complete 9 credits from the following major elective courses:
 - FIRE F212—Building and Fire Codes3
 - 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 Topics3
 3. General electives.....6
 4. Minimum credits required69
- * Students 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 95).
 2. Complete the AAS degree requirements (page 99).
 3. Complete the following program (major) requirements:*
 - a. Complete the following:
 - EMS F170—EMT: Emergency Medical Technician I.....6
 - FIRE F101—Principles of Emergency Services3
 - FIRE F105—Fire Prevention3
 - FIRE F107—Strategy and Tactics.....3
 - FIRE F117—Rescue Practices3
 - FIRE F121—Fire Behavior and Combustion3
 - FIRE F131—Fire Fighter I Series I.....3
 - FIRE F133—Fire Fighter I Series II.....3
 - FIRE F135—Fire Fighter I Series III3
 - FIRE F137—Fire Fighter I Series IV3
 - 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 II3
 - FIRE F207—Hazardous Materials Technician.....3
 - FIRE F212—Building and Fire Codes3
 - FIRE F216—Methods of Instruction for Emergency Services Training.....3
 - FIRE F218—Advanced Rescue Practices3
 - FIRE F232—Fire Fighter II3
 - EMS F261—EMT: Emergency Medical Technician II.....3
 4. Minimum credits required69
- * Students 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 95).
2. Complete the AAS degree requirements (page 99).
3. Complete the following program (major) requirements:*
- a. Complete the following:
 - AVTY F231/EMS F257—Arctic Survival3
 - EMS F170—EMT: Emergency Medical Technician I.....6
 - EMS F176—Aeromedical Evacuations in Alaska1
 - FIRE F101—Principles of Emergency Services3
 - FIRE F105—Fire Prevention3
 - FIRE F117—Rescue Practices3
 - FIRE F127—Vessel Safety: Emergency Equipment and Procedures1
 - FIRE F131—Firefighter I, Series I.....3
 - FIRE F133—Firefighter I, Series II.....3
 - FIRE F135—Firefighter I, Series III3
 - FIRE F137—Firefighter I, Series IV3
 - FIRE F218—Advanced Rescue Practices3
 - JUST F110—Introduction to Justice3
 - JUST F340—Rural Justice in Alaska3
 - 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 required68

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

Wildland Fire Control

1. Complete the general university requirements (page 95).
2. Complete the AAS degree requirements (page 99).
3. Complete the following program (major) requirements:
 - a. Complete the following:

EMS F170—EMT: Emergency Medical Technician I.....	6
FIRE F151—Wildland Firefighter I.....	3
FIRE F152 Wildland Firefighter II.....	3
FIRE F153—Wildland Firefighter III	2
FIRE F154 Basic Wildland Fire Safety.....	1.5
FIRE F155—Wildland Fire Behavior I	2
FIRE F157—Wildland Air Operations.....	3
FIRE F159—Wildland Fire Interface Operations.....	2
FIRE F176 Wildland Fire Ignition Operations	1
FIRE F251 Wildland Firefighter IV	3
FIRE F252—Wildland Fire Prevention I.....	3
FIRE F254—Incident Finance and Administration.....	1.5
FIRE F255—Wildland Fire Behavior II.....	2

- b. Complete 15 credits from the following major elective courses:

FIRE F161—Incident Logistics Function	2
FIRE F163 Wildland Fire Dispatch I.....	2
FIRE F165—ICS and the Incident Planning Function.....	2
FIRE F170 Introduction to Incident Information	2
FIRE F216—Methods of Instruction for Emergency Services Training.....	3
FIRE F253 Wildland Fire Investigation I	3
FIRE F257—Wildland Fire Helicopter Management.....	2
FIRE F262—Wildland Fire Tactical Operations.....	2
FIRE F264—Incident Business Practices.....	1.5
FIRE F276 Prescribed Fire I.....	2
FIRE F277 Prescribed Fire II	2
FIRE F279 Prescribed Fire III	2

4. Minimum credits required63

* Students 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 required18

Certificate Requirements

Communication 2 – 3 Credits

Complete one of the following:

- ENGL F111X—Introduction to Academic Writing.....(3)
- ABUS F170—Business English.....(3)
- ABUS F271—Business Communications(3)
- ENGL F211X—Academic Writing about Literature.....(3)
- ENGL F212—Business, Grant and Report Writing*(3)
- ENGL F213X—Academic Writing about the Social and Natural Sciences(3)
- COMM F131X—Fundamentals of Oral Communication: Group Context(3)
- COMM F141X—Fundamentals of Oral Communication: Public Context.....(3)
or successful completion of competency test
- DEVS F104—University Communications..... (1 – 3)
- DEVS F105—Intensive Reading Development(3)
- Other program-approved discipline-based communication course or
discipline-based courses with embedded communication content..... (2 – 3)

* ENGL F212 does not fulfill the second half of the written communication requirement for the bachelor's degree.

Computation 2 – 3 Credits

Complete one of the following:

- Any course at the F100-level or above in mathematical sciences
(computer science, math or statistics).(3)
- ABUS F155—Business Math.....(3)
- DEVM F105—Intermediate Algebra(3)
- ECE F117—Math Skills for Early Childhood Educators.....(3)
- HLTH F116—Mathematics in Health Care(3)
- HUMS F117—Math Skills for Human Services.....(3)
- TTCH F131—Mathematics for the Trades(3)
- Other program-approved discipline-based computation course or
discipline-based courses with embedded computation content. (2 – 3)

Human Relations 2 – 3 Credits

Complete one of the following:

- ANTH F100X/SOC F100X—Individual, Society and Culture(s)(3)
- ABUS F154—Human Relations(3)
- ANL F287—Teaching Methods for Alaska Native Languages (h).....(3)
- ECE F104—Child Development: Prenatal, Infants and Toddlers (s)(3)
- ECE F107—Child Development II: Preschool and Primary Years (s)(3)
- ED/PSY F245—Child Development (s)(3)
- HLTH F106—Human Behavior in Health Care (s).....(3)
- HUMS F120—Cultural Diversity in Human Services.....(3)
- RHS F110—Cross-Cultural Bridging Skills (1) AND
RHS F115—Issues of Personal Development(2)
- Other program-approved discipline-based human relations or
discipline-based courses with embedded human relations content. (2 – 3)

Major specialty at least 21 Credits

Electives to total 30 Credits

Associate of Applied Science Requirements

Written Communication 6 Credits

- ENGL F111X—Introduction to Academic Writing.....(3)

Complete one of the following:

- ABUS F271—Business Communications(3)
- ENGL F211X—Academic Writing about Literature.....(3)
- ENGL F212—Business, Grant and Report Writing*(3)
- ENGL F213X—Academic Writing about the Social and Natural Sciences(3)

* ENGL F212 does not fulfill the second half of the written communication requirement for the bachelor's degree.

Oral Communication 3 Credits

Complete one of the following:

- COMM F131X—Fundamentals of Oral Communication: Group Context(3)
- COMM F141X—Fundamentals of Oral Communication: Public Context.....(3)
or successful completion of competency test

Computation 3 Credits

Complete one of the following:

- Any course at the F100-level or above in mathematical sciences
(computer science, math or statistics).(3)
- ABUS F155—Business Math.....(3)
- DEVM F105—Intermediate Algebra(3)
- ECE F117—Math Skills for Early Childhood Educators.....(3)
- HLTH F116—Mathematics in Health Care(3)
- HUMS F117—Math Skills for Human Services.....(3)
- TTCH F131—Mathematics for the Trades(3)
- Other program-approved discipline-based computation course or
discipline-based courses with embedded computation content. (3)

Human Relations 3 Credits

Complete one of the following:

- ANTH F100X/SOC F100X—Individual, Society and Culture (s)(3)
- ABUS F154—Human Relations(3)
- ANL F287—Teaching Methods for Alaska Native Languages (h).....(3)
- ECE F104—Child Development: Prenatal, Infants and Toddlers (s)(3)
- ECE F107—Child Development II: Preschool and Primary Years (s)(3)
- ED/PSY F245—Childhood Development (s)(3)
- HLTH F106—Human Behavior in Health Care (s)(3)
- HUMS F120—Cultural Diversity in Human Services.....(3)
- RHS F110—Cross-Cultural Bridging Skills (1) AND
RHS F115—Issues of Personal Development(2)
- Other program-approved discipline-based human relations course or
discipline-based courses with embedded human relations content. (3)

Major specialty at least 30 Credits

Electives to total 60 Credits

Minimum credits required for degree 60 Credits