

EMERGENCY SERVICES

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

A.A.S. Degree

Minimum Requirements for Degree: 68 – 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 — A.A.S. 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 A.A.S. degree requirements (page 99).
 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
- * Students must earn a C grade (2.0) 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 A.A.S. 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 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

* Students must earn a C grade (2.0) 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 A.A.S. degree requirements (page 99).
 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
- * Students must earn a C grade (2.0) or better in each course.

Wildland Fire Control

1. Complete the general university requirements (page 95).
2. Complete the A.A.S. degree requirements (page 99).
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

* Students must earn a C grade (2.0) 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

All degrees (e.g. Certificate, A.A., A.A.S., A.S., etc) require additional courses. Refer to specific degree and program requirements.

Certificate Requirements

COMMUNICATION (2-3)

Complete one of the following:

ENGL F111X.....	(3)	_____
ABUS F170	(3)	_____
ABUS F271	(3)	_____
ENGL F211X.....	(3)	_____
ENGL F212	(3)	_____
ENGL F213X.....	(3)	_____
COMM F131X.....	(3)	_____
COMM F141X.....	(3)	_____
DEVS F104	(1 – 3)	_____
DEVS F105	(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)

Complete one of the following:

Any course at the F100-level or above in mathematical sciences (computer science, math or statistics).....	(3)	_____
ABUS F155	(3)	_____
DEVM F105.....	(3)	_____
ECE F117	(3)	_____
HLTH F116	(3)	_____
HUMS F117.....	(3)	_____
PRT F155.....	(3)	_____
TTCH F131	(3)	_____

Other program-approved discipline-based computation course or discipline-based courses with embedded computation content. (2 – 3)

HUMAN RELATIONS (2-3)

Complete one of the following:

ANTH F100X/SOC F100X	(3)	_____
ABUS F154	(3)	_____
ANL F287.....	(3)	_____
ECE F245.....	(3)	_____
ED/PSY F245	(3)	_____
HLTH F106	(3)	_____
HUMS F120.....	(3)	_____
RHS F110	(1)	_____
AND RHS F115	(2)	_____

Other program-approved discipline-based human relations course or discipline-based courses with embedded human relations content. (2 – 3)

MAJOR SPECIALTY CREDITS (minimum)..... 21

Minimum credits for required certificate..... 30

Associate of Applied Science Requirements

COMMUNICATION (9)

ENGL F111X.....	(3)	_____
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Complete one of the following:

ABUS F271	(3)	_____
ENGL F211X.....	(3)	_____
ENGL F212	(3)	_____
ENGL F213X.....	(3)	_____

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

Complete one of the following:

COMM F131X.....	(3)	_____
COMM F141X.....	(3)	_____

COMPUTATION (3)

Complete one of the following:

Any course at the F100-level or above in mathematical sciences (computer science, math or statistics).....	(3)	_____
ABUS F155	(3)	_____
DEVM F105.....	(3)	_____
ECE F117	(3)	_____
HLTH F116	(3)	_____
HUMS F117.....	(3)	_____
PRT F155.....	(3)	_____
TTCH F131	(3)	_____

Other program-approved discipline-based computation course or discipline-based courses with embedded computation content. (3)

HUMAN RELATIONS (2-3)

Complete one of the following:

ANTH F100X/SOC F100X	(3)	_____
ABUS F154	(3)	_____
ANL F287	(3)	_____
ECE F245	(3)	_____
ED/PSY F245	(3)	_____
HLTH F106	(3)	_____
HUMS F120.....	(3)	_____
RHS F110	(1)	_____
AND RHS F115	(2)	_____

Other program-approved discipline-based human relations course or discipline-based courses with embedded human relations content. (3)

MAJOR SPECIALTY CREDITS (minimum)..... 30

Minimum credits required for degree 60



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