FIRE SCIENCE

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: 63-69 credits

The fire science program provides classroom education, hands-on training and practical vocational experience through local fire and rescue organizations.

Instructors provide a high level of technical expertise on a variety of emergency and fire science 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.

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 112).
- 2. Complete the A.A.S. degree requirements (page 112).
- 3. Complete the following program (major) requirements:*

- * 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 112).
- 2. Complete the A.A.S. degree requirements (page 112).
- 3. Complete the following program (major) requirements:* a. Complete the following: EMS F170—EMT: Emergency Medical Technician I6 FIRE F105—Fire Prevention......3 FIRE F121—Fire Behavior and Combustion......3 FIRE F133—Fire Fighter I Series II......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 b. Complete 6 credits from the following major specialty electives: FIRE F115—Fire Apparatus and Equipment......3 FIRE F151—Wildland Fire Control I......3 FIRE F205—Hazardous Materials Chemistry II......3 FIRE F212—Building and Fire Codes......3 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 Minimum credits required69 Students must earn a Ĉ- 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 112). 2. Complete the A.A.S. degree requirements (page 112). 3. Complete the following program (major) requirements:* a. Complete the following: AVTY F231/EMS F257—Arctic Survival3 EMS F170—EMT: Emergency Medical Technician I6 EMS F176—Aeromedical Evacuations in Alaska1 FIRE F117—Rescue Practices3 FIRE F127—Vessel Safety: Emergency Equipment and Procedures1 FIRE F135—Firefighter I, Series III......3 FIRE F137—Firefighter I, Series IV3 FIRE F218—Advanced Rescue Practices3 JUST F358—Juvenile Delinquency......3 b. Complete 9 credits from the following major electives: FIRE F216—Methods of Instruction for Emergency JUST F345W—Police Problems3 JUST F352—Criminal Law3 JUST F354—Procedural Law......3

Minimum credits required68

Students must earn a \hat{C} - grade or better in each course.





Wildland Fire Control

- Complete the general university requirements (page 113).
- Complete the A.A.S. degree requirements (page 113).
- 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	
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	
FIRE F176 Wildland Fire Ignition Operations	1
FIRE F251 Wildland Firefighter IV	3
FIRE F252—Wildland Fire Prevention I	
FIRE F254—Incident Finance and Administration	1.5
FIRE F255—Wildland Fire Behavior II	2
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 FIRE F253 Wildland Fire Investigation I3

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 III2 Minimum credits required63

Students must earn a Ĉ- 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 F133—Firefighter I, Series II.......3 EMS F170—Emergency Medical Technician I......6

2. Minimum credits required18