

**NEW DEGREE PROGRAM REQUEST**  
(UA Regulation 10.04.020)

# Associate of Applied Science in Paramedicine

Submitted by the Faculty of the  
Department of Emergency Services  
UAF Community and Technical College  
College of Rural and Community Development

Chuck Kuhns, Assistant Professor  
Emergency Medicine

## Format 3: AAS in Emergency Medical Services, Fall 2010

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President, UAF Faculty Senate

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Chancellor

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President

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Board of Regents

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### II. Identification of the Program

#### A. Description of the Program

##### 1. Program title

Emergency Medical Services

##### 2. Credential level of the program, if appropriate

Associate of Applied Science

##### 3. Admissions requirements and prerequisites

EMS F170 – EMT: Emergency Medical Technician I

HLTH F114 – Fundamentals of Anatomy and Physiology (Recommended)

##### 4. Course descriptions of required and recommended elective courses. (For new courses, use FORMAT 1; to revise courses, use FORMAT 2)

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The following is a three year rotation of classes. Alternate classes are available for the written and oral communications, the computation, and the human relations classes. Any of the options listed in the catalog are acceptable. The most commonly selected classes have been included in the table below.

Course	Fall	Spr	Sum	Fall	Spr	Sum	Fall	Spr	Sum
ENGL 111X	x	x	x	x	x	x	x	x	x
ENGL 211X	x	x	x	x	x	x	x	x	x
COMM 141X	x	x	x	x	x	x	x	x	x
HLTH 114	x	x		x	x		x	x	
HLTH 116		x			x			x	
HLTH 106		x			x			x	
EMS 170	x	x		x	x		x	x	
EMS 181	x			x			x		
EMS 183		x			x			x	
EMS 280	x			x			x		
EMS 282		x			x			x	
EMS 283			x			x			x

b. Include a proposed general catalog layout copy of the program with short descriptive paragraph.

Emergency Medical Services

College of Rural and Community Development  
Community and Technical College

907-455-2853

[www.ctc.uaf.edu/programs/emergency/](http://www.ctc.uaf.edu/programs/emergency/)

A.A.S. Degree

Minimum Requirements for Degree: 69 - 73 credits

The UAF emergency medical services program offers students excellent didactic instruction, clinical experiences, state of the art simulation labs, and practical vocational experience for the student seeking to become a paramedic. Paramedic students are taught the necessary objectives and skills required to take the national paramedic exam. A passing score qualifies students to apply for the national paramedic exam. After receiving their national certification, the student can apply for their paramedic license through the Alaska State Medical Board.

Special admission requirements include:

Current EMT-Basic certification

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Major -- A.A.S. Degree

Emergency Medical Services

1. Complete the [general university requirements](#).
2. Complete the [A.A.S. degree requirements](#).
3. Complete the following program (major) requirements: \*  
EMS F170--EMT: Emergency Medical Technician I--6 credits  
EMS F181--Clinical Rotation I--4 credits  
EMS F183--Clinical Rotation II--4 credits  
EMS F280--Paramedicine I--12 credits  
EMS F282--Paramedicine II--12 credits  
EMS F283--Paramedic Internship--12 credits  
HLTH F114--Fundamentals of Anatomy and Physiology (4)  
or BIOL F111X and F112X--8 credits
4. Minimum credits required--69 - 73 credits

\* Student must earn a C (2.0) grade or better in each course.

### B. Program Goals

1. Brief identification of objectives and subsequent means for their evaluation

The Mission Statement of the Paramedic Program is to educate paramedic students to be competent entry-level paramedics. The program strives to produce paramedics with outstanding clinical abilities who will be prepared to enter the health professions workforce and be eligible for National certification and an Alaska paramedic license.

To reach the goal of the mission statement the following objectives will be met by the paramedic students at the end of this educational program:

**Cognitive Domain:** Upon completion of the program students will demonstrate the ability to comprehend, apply and evaluate clinical information to their role as paramedics. (Assessments: Exam, quiz and class assignment scores)

**Psychomotor Domain:** Upon completion of the program the student will demonstrate the technical proficiency in all skills necessary to fulfill their role as a paramedic. (Assessments: Skill Sheets, Preceptor Evaluations (including evaluation of run reports) review of Clinical Logs)

**Affective Domain:** Upon completion of the program the student will demonstrate personal behaviors consistent with professional and employer expectations for a paramedic. (Assessments: Professional Behavior Assessment, Preceptor Evaluations)

2. Relationship of program objectives to "Purposes of the University"

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The University has a long-standing interest in educating individuals to meet workforce needs in Alaska. Paramedics work for fire departments, hospitals, flight services and other entities engaged in emergency medicine. Further, the Strategic Plan 2010 seeks to increase participation in experiential learning. The proposed Emergency Medical Services AAS includes experiential learning in each of the practicum courses – a total of 36 credit hours. The proposed AAS is also related to statements in Vision 2017, including:

- x Emphasize development of career and employability skills throughout UAF curriculum with active involvement of potential employers.
- x Identify career pathways and clusters appropriate to all UAF programs, consistent with U.S. Department of Labor categories.
- x Ensure basic competencies of all UAF students in communication, computation and critical thinking.

In addition, the proposed AAS is part of a career ladder that begins with tech-prep courses in high school (including a health careers track at Hutchison High School), the paramedic academy, the AAS in Emergency Medical Services, and the Bachelor's of Emergency Management.

### 3. Occupational/other competencies to be achieved

Fulfill didactic and clinical competency requirements for students to sit for national paramedic exam and become licensed paramedics

Ensure basic competencies of all UAF students in communication, computation and critical thinking.

### 4. Relationship of courses to the program objectives

Each of the courses relates to the objectives directly. There are no elective courses. The courses fall under each of the program goals as follows:

Program goal	Course related to that goal
The ability to comprehend, apply and evaluate clinical information relative to the role of an entry level paramedic	ENGL 111X ENGL 211X COMM 141X EMS 170 EMS 181 EMS 183 EMS 280 EMS 282 EMS 283 HLTH 114 HLTH 116 HLTH 106
The technical proficiency in all skills consistent with the role of an entry level paramedic	EMS 170 EMS 280 EMS 282





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Cathy Baldwin, Administrative Assistant

Maintain program records and files, assist with all correspondence, order supplies, assist in document preparations for practicum classes, and assist with scheduling of classes.

Nancy Wood, Administrative Assistant 1

Receptionist for the Emergency Services programs (Law Enforcement, Municipal Fire, and Paramedic) She also assist our adjunct faculty with classroom needs.

### IV. Enrollment Information

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### E. Special restrictions on enrollments

Student must have the strength to be able to move patients, sufficient vision to assess the condition of the patient and the dexterity to perform the skills of a paramedic. Individuals applying to the Paramedic Program may be refused if they are convicted of a felony or class A misdemeanors that involves a crime against the person (AS

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separation. The other concentrations (municipal fire, wild land fire, hazardous materials, and public safety) existed as separate degrees in the past.

### VI. Other

This permits consideration of additional justifying information which might not fit under III and IV above. Caution should be exercised to assure that the need for program is clearly established and that enrollment requirements are proposed and agreed upon at the time of the program's approval. Examples might be low enrollment programs in Alaska Native Languages, Alaska Native Arts, etc.

Currently, there is a single Emergency Services AAS degree at UAF that includes 5 distinct concentrations: Municipal Fire Control, Wildland Fire Control, Hazardous Materials Control, Public Safety, and Emergency Medical Services. For unknown reasons the five concentrations were placed under a single AAS degree. The current job market and university procedures advocate the concentrations be separating into distinct, stand-alone AAS degrees. Those reasons include:

- x They are sufficiently distinct that they merit stand alone degrees.
- x Students often need to complete both a fire science degree and an emergency medical services degree in order to be competitive for advanced positions. However, they cannot be awarded two Emergency Services AAS degrees in different concentrations unless they graduate with dual concentrations in the same semester. This limits the flexibility students have to return to school to advance their careers.
- x It is difficult to track students with the 5 different interests, since the UA computer system only tracks the primary AAS degree.
- x The 5 concentrations are sufficiently different that they merit separate student learning outcomes assessment plans.

With the exception of Emergency Medical Services, the other concentrations used to exist as separate degrees. Emergency medical Services and the paramedic program were added in 2000 after the other degrees had been merged into a single degree. For this reason, we must go forward as though this was an entirely new program. In reality, it has been in existence since 2000. By separating the five concentrations, we hope to be able to improve recruit, advice students, track, retain, and graduate all of our Emergency Services students.

### VII. Resource Impact

#### A. Budget (complete the Resource Commitment Form)

Please see the attached Resource Commitment Form.

#### B. Facilities/space needs

No new facilities or space is needed beyond that which currently meets the needs of the Paramedic Academy.

#### C. Credit hour production

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There may be a slight increase in credit hour production, but only in the core courses, AAS requirement courses, and in the anatomy and physiology courses. This will result from better advertising, marketing, recruitment, and retention once we get the degrees separated. The Paramedic Program fills every year so we cannot increase those enrollments.

D. Faculty

No new faculty is needed.

E. Library/Media materials, equipment and services: Have you reviewed the Library/Media material, equipment and services needed by this proposed action with the Library Collection Development Officer? (Karen Jensen, 6695)

There is no need for additional library resources.

### VIII. Relation of Program to other Programs within the System

A. Effects on enrollments elsewhere in the system

This will result in minimal increase or no change to core courses, AAS requirement courses, and to HTLH 114. There may also be a slight increase in those entering the Bachelors in Emergency Management degree.

B. Does it duplicate/approximate programs anywhere in the system?

Yes. UAA offers the AAS in Emergency Medical Services.

If so, what is the justification for the duplication?

The UAF Paramedic Program is the only nationally accredited paramedic program in Alaska through the Commission on Accreditation of Allied Health Education Programs (CAAHEP). By being an accredited program, this protects the students' investment in their education by ensuring they graduate from a quality program and that instructors possess adequate qualifications to teach. Accreditation protects the public by ensuring the paramedic students receive a minimum standard of care by individuals who are properly trained.

The demand for both paramedic programs is high. Class size must remain small due to needs for expensive equipment and low faculty: student ratio. Students can complete many practicum experiences in either Fairbanks or Anchorage, but the state of Alaska requires students to travel to the lower 48, to complete a portion of their field internship practicum.

C. How does the program relate to research or service activities?

1. Contributions to research or service

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Much of the information required for the prospectus will already have been assembled while producing the Format 3 new degree program request. Instructions and a template are provided online at:

<http://www.uaf.edu/uafgov/faculty/cd/index.html>

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### Budget Resource Commitment Form

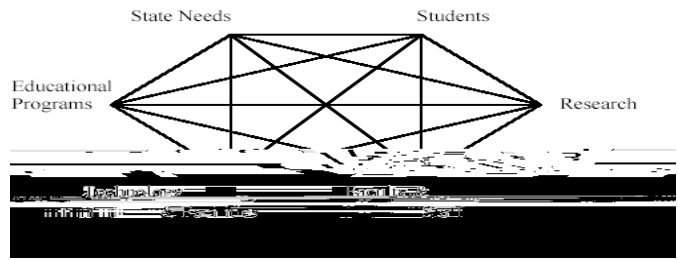
Resources	Existing	New		Total
	College/School	College/School	Others (Specify)	
Regular Faculty (FTE's & dollars)	1.5 FTE \$159,808	0		1.5FTE \$159,808
Adjunct Faculty (FTE's & dollars)	1.82 \$53,286	0		1.82 \$53,286
Program Assistants (Headcount)	6	0		6
Instructional Facilities (in dollars and/or sq. footage)	1,640 sq. ft.	0		1,640 sq. ft.
Office Space (Sq. footage)	771 sq. ft.	0		771 sq. ft.
Lab Space (Sq. Footage)	843 sq. ft.	0		843 sq. ft.
Computer & Networking (in dollars)	\$12,320	0		\$12,320
Research/ Instructional/ office Equipment (in dollars)	\$49,000	0		\$49,000
Support Staff (FTE's & dollars)	\$39,942	0		\$39,942
Supplies (in dollars)	\$38,435	0		\$38,435
Travel (in dollars)	\$6,565	0		\$6,565





**University of Alaska Board of Regents**  
**Program Approval Summary Form**

**MAU: University of Alaska Fairbanks**  
Title: Associate of Applied Science in  
Target admission date: **Fall, 2011**



How does the program relate to the Education mission of the University of Alaska and the MAU?

Who promoted the development of the program?

The UAF Community & Technical College currently has a Paramedic Program in place, to serve the requests of the community and state to provide nationally certified paramedics to fill entry level paramedic positions. In the past students were forced to go out of the state to acquire their paramedic certification. Currently the paramedic program is a concentration under the AAS in Emergency Services. This has been programmatic in tracking the numbers of associate graduates because there are five different concentrations under the AAS in Emergency Services.

What process was followed in development of program (including internal and external consultation)

The UAF Community & Technical College Paramedic Program has been in existence for 7.5 years and follows the standards established by the state and national guidelines for paramedic training. In November 2008, the paramedic program completed an accreditation review and was judged to be in compliance with the nationally established standards through the Commission on Accreditation of Allied Health Education Programs. The following courses have been approved for the training of paramedic students;

- EMS F181—Clinical Rotation I—4 credits
- EMS F183—Clinical Rotation II—4 credits
- EMS F280—Paramedicine I—12 credits
- EMS F282—Paramedicine II—12 credits
- EMS F283—Paramedic Internship—12 credits

Impact on existing programs and units across MAU and system, including GERs.

There is no additional cost to offering the paramedic program. All the courses are currently being offered during the fall and spring semesters at UAF Community & Technical College (UAF CTC). The Paramedic Program does not affect any other unit.

What State Needs met by this program.

Information describing program need and why existing programs in UA system are not able to meet it.

Presently there are three paramedic programs in Alaska (UAF CTC, UAA has two programs at the Kenai Peninsula College and Matanuska-Susitna College). Currently the UAF Community & Technical College Paramedic Program offers the students the ability to graduate with an AAS in

Emergency Services. Those seeking even more education may matriculate into the Bachelor of Emergency Management offered by the School of Management at UAF.

The UAF Paramedic Program is the only nationally accredited paramedic program in Alaska through the Commission on Accreditation of Allied Health Education Programs (CAAHEP). By being an accredited program, this protects the students' investment in their education by ensuring they graduate from a quality program and that instructors possess adequate qualifications to teach. Accreditation protects the public by ensuring the paramedic students receive a minimum standard of care by individuals who are properly trained.

What are the **Student** opportunities and outcomes? Enrollment projections?

The jobs for paramedics within the state are well-documented. According to the Alaska Department of Labor and Workforce Development

UAF Community & Technical College  
Student Learning Outcomes Assessment  
Paramedic Academy  
2010-2011