

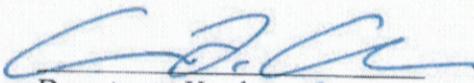
**NEW DEGREE PROGRAM PROPOSAL**  
**Associate of Arts in Security Management (AASM)**  
**School of Management**  
Homeland Security and Emergency Management Department

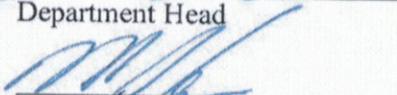
**Cover Memorandum**

- A. Proposal prepared by:  
Cameron Carlson, Program Director, HSEM Department, SOM  
Sean McGee, Instructor and Outreach Coordinator, HSEM  
Amber Lammers, HSEM/MBA Program Coordinator
- B. The leadership of the HSEM program proposes and requests approval for a new associate degree, an Associate of Arts in Security Management (AASM), to be offered at the University of Alaska Fairbanks. An AASM degree is designed to serve both aspiring and existing homeland security and emergency response practitioners. Additionally, an AASM is meant to provide students a stepping stone into the fields of homeland security and emergency management as well as the opportunity to enroll in the HSEM program in the School of Management. Currently, most students interested in the HSEM Bachelor of Emergency Management (BEM) degree have completed a technical associate's degree in emergency medical services, fire science, military studies, or similar programs to obtain the bachelor's degree. The proposed AASM degree is key in allowing students from our Transportation and Security Administration (TSA) corporate deliveries to apply credits obtained towards an associate degree in order to pursue their educational goals within the homeland security and emergency management enterprise. Additionally, the capability to contribute to growing Alaska's own workforce cannot be overemphasized.

The primary objectives of the program are:

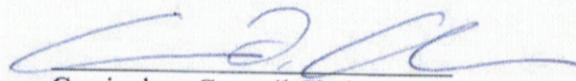
- Provide an entry-level degree to students interested in the homeland security and emergency management fields.
- Provide students continued opportunities to pursue their educational goals within the homeland security and emergency management enterprise to include baccalaureate and graduate education.

  
\_\_\_\_\_  
Department Head

  
\_\_\_\_\_  
Dean, School of Management

\_\_\_\_\_  
Faculty Senate Curriculum Committee Chair

\_\_\_\_\_  
Chancellor

  
\_\_\_\_\_  
Curriculum Council Chair

\_\_\_\_\_  
President, Faculty Senate

\_\_\_\_\_  
President, UA System

\_\_\_\_\_  
Chair, Board of Regents

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**B. Brief Statement of the proposed program, its objectives, and career opportunities. It is essential that the objectives of the program be clearly identified so that the activity may be evaluated in terms of how successfully it fulfills its stated objectives. Continued from Cover...**

Career Opportunities resulting from the Associate of Arts in Security Management include:

Entry-level homeland security and emergency management professionals including those in all levels of public-sector service as well as the primary federal and state agencies to include the Transportation Security Administration (TSA), and Department of Homeland Security (DHS), and local and state agencies.

## **II. Identification of the Program**

### **A. Description of the Program**

#### **1. Program title:**

Associate of Arts in Security Management (AASM)

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

N/A

#### **3. Admissions requirements and prerequisites:**

The Associate of Arts in Security Management requires a minimum of 60 credit hours. The AASM will provide academic preparation and sought-after, critical education necessary for entry-level careers in the homeland security and emergency management. This degree will also serve as a stepping stone for students who need local and regional education options and wish to continue an education through other homeland security and emergency management programs, such as the HSEM Bachelor of Emergency Management degree at SOM.

#### **4. Course descriptions of required and recommended elective courses**

The descriptions of courses are shown below, and a detailed list of student learning objectives broken down into individual courses is shown in the Appendix.

HSEM F120 – INTRODUCTION TO EMERGENCY MANAGEMENT – (3 cr.) This course will introduce students to the critical concepts and components of the field of Emergency Management. Students will be exposed to historical events, as well as those the world may still see. The importance of government agencies and the emergency management cycle will be studied. Additionally, the effects of natural, man-made, and technological hazards that cause disasters will be discussed at length.

**HSEM F121– INTRODUCTION TO HOMELAND SECURITY – (3 cr.)** This course will introduce students to the vocabulary and important components of Homeland Security. The importance of the agencies associated with Homeland Security and their interrelated duties and relationships will be discussed. Historical events that impact Homeland Security will be examined as will the most critical threats confronting Homeland Security.

**HSEM F223 – TERRORISM: A GLOBAL THREAT – (3 cr.)** This course will investigate the historical origins of global terrorism, the major contemporary terrorist organizations (international and domestic), their ideological motivations, and their methodologies for employing terror. It will also explore the national security and economic threats posed to the United States and other western societies. An in-depth examination and evaluation of several case studies of terrorist acts will be made. The primary focus of this course will be on terrorist organizations and their acts of terror.

**HSEM F225 – INTELLIGENCE ANALYSIS AND SECURITY MANAGEMENT – (3 cr.)** This course examines the history of intelligence gathering and espionage in the United States. A succinct study and comparative analyses of the intelligence collection methods of other nations will also be made. An in-depth study of key U.S. intelligence agencies, their collection methodologies, and their effect upon national security will be examined.

**HSEM F227 – TRANSPORTATION AND BORDER SECURITY – (3 cr.)** This course provides an overview of modern border and transportation security challenges, as well as different methods employed to address these challenges. The course covers time from 9/11/2001 to the present day. The course explores topics associated with border security and security for transportation infrastructure, including seaports, ships, aircrafts, airports, trains, train stations, trucks, highways, bridges, rail lines, pipelines, and buses. The course will include an exploration of technological solutions employed to enhance the security of borders and transportation systems. Students will be required to discuss the legal, economic, political, and cultural concerns and impacts associated with transportation and border security.

**HSEM 231 – THE THREAT OF WEAPONS OF MASS DESTRUCTION – (3 cr.)** This course provides an overview of the current and potential weapons that may cause widespread destruction if utilized. Students will also learn the history of weapons of mass destruction and how they became a tool of terrorism. The course will outline how terrorists choose their weapons and what they hope to accomplish with them. By understanding the relationship between terrorists and their weapons, students will be able to understand the continuous changes in terrorism today.

**HSEM 233 – CRITICAL INFRASTRUCTURE PROTECTION – (3 cr.)**

This course introduces students to a framework for understanding Critical Infrastructure Protection (CIP) and provides learning resources for understanding portions of the framework. Over the past fifty years, as societies became more

interconnected and interdependent, our government recognized the importance of protecting the infrastructures that are essential to the functioning of the nation. In the 1980s, our current understanding of CIP began to evolve when the U.S. government charged the head of each federal department and agency with the responsibility to protect essential resources and facilities within their organizations.

**5. Requirements of the degree:**

**a. Sample course of study and a 3 year cycle of course offerings**

Included in packet

**b. Proposed general catalog layout copy of the program with short descriptive paragraph:**

The Associate of Arts in Security Management will provide students with the academic education required to obtain entry into homeland security-related fields. An AASM will also offer students the opportunity to continue their education and earn a bachelor's degree in the field.

1. Complete the general education requirements – (39 credits)

2. Complete the following major courses (21 credits):

HSEM F120 - Introduction to Emergency Management (3)

HSEM F121- Introduction to Homeland Security (3)

HSEM F223 - Terrorism: A Global Threat (3)

HSEM F225 - Intelligence Analysis and Security Management (3)

HSEM F227 - Transportation and Border Security (3)

HSEM F231- The Threat of Weapons of Mass Destruction (3)

HSEM F233 - Critical Infrastructure Protection (3)

3. Total Credits Required (60)

Students planning to pursue a BEM or any four-year degree should take the above courses, and students without plans to continue their education after the AASM may take other 100 or 200 level course as electives.

**B. Program Goals**

**1. Objectives and subsequent means for evaluation**

The Associate of Arts in Security Management provides students with the academic education required to obtain entry into homeland security and emergency management related fields. It also offers students the opportunity to continue their education and earn bachelor's degrees in the field.

**a) Objectives:**

- 1) To expose students to a broad-based curriculum framed within homeland security and emergency management principles and priorities.
- 2) To provide students with the foundation and credentials to find successful employment as well as advance their career fields.
- 3) To develop core competencies and introduce the critical thinking skills needed to enter the homeland security and emergency management career field.
- 4) To prepare students to advance into a homeland security and emergency management related baccalaureate program or other undergraduate course work in SOM.

**b) Evaluation:**

- 1) Academic Performance - Cumulative GPA in required courses
- 2) Number of students continuing in homeland security and emergency management related baccalaureate degrees.

**2. Relationship to "Purposes of the University":**

**Educate:** The degree objectives clearly show that HSEM intends to educate students at the associate's level. Students will learn practical skills and introductory academic knowledge essential to communities both in Alaska and elsewhere.

**Prepare:** The HSEM program is grounded in workforce development. The current academic tracks for associate degrees are in practical, technical fields. This AASM provides an academic inlet to workforce development.

**Discover:** Through directed and independent studies, students will develop practices for providing management and security principles at the local, regional, state, and national levels.

**Connect:** Many entry-level practitioners of emergency management and homeland security are located in rural areas where the opportunity to advance their education. An online methodology and delivery option for the AASM degree will help reach students and prepare them for advancement in various fields.

**Serve:** The proposed AASM extends the reach of service that these practitioners already provide. By their nature, students in emergency- and security-related fields are public servants committed to the communities call home. An AASM will provide entry-level practitioners meaningful context and introductory tools needed for leadership and management roles in their chosen field.

### **3. Relationship to industry needs:**

The objective of this Associate of Arts in Security Management is to respond to an increasing TSA demand for homeland security higher education beyond the occupational endorsement. It is also a stepping stone for new students entering the university who are interested in the field. As the fields continue to grow and change, education is increasingly important. This proposal is a response to industry demand for education and training for managers to handle the scope and pace of change currently experienced.

### **4. Occupational/other competencies to be achieved:**

The skills and education learned in this program can be used and transferred to any employer in the homeland security and emergency management fields. The courses taught will emphasize industry-specific issues preparing students for entry-level positions in the field. The credits gained in these courses can be directly applied to the HSEM degree within the UAF School of Management.

### **5. Relationship of courses to degree objective:**

Courses directly serve program objectives by:

- a) Providing opportunities to increase student knowledge, skills and techniques.
- b) Providing coursework that is relevant to student needs for homeland security and related fields.
- c) Providing students the foundation for building a career pathway.

## **III. Personnel Directly Involved with the Program**

### **A. List of faculty involved (including brief statements of duties and qualifications):**

#### *1. Cameron Carlson, HSEM Program Director*

Instructor duties include: oversight of the undergraduate Bachelor of Emergency Management program, teaching various courses within the HSEM program. Resume included in proposal packet.

#### *2. Sean McGee, Instructor, HSEM Outreach Coordinator*

Duties include: teaching various courses within the HSEM program, teaching courses for TSA contracts, HSEM program outreach and recruiting. Resume included in proposal packet.

*3. Troy Bouffard, Instructor, HSEM Program*

Duties include: teaching various courses within the HSEM program, teaching courses for TSA contracts.

*4. Samuel Alexander, Instructor, HSEM Program*

Duties include: teaching various courses within the HSEM program, teaching courses for TSA contracts.

5. Other faculty will be adjuncts with operational specialties in their field from around the country. Personnel from FEMA, state and other federal agencies and private organizations bring specific expertise to this program.

**B. Administrative and coordinating personnel**

*1. Francine Davis, MBA*

Fiscal Officer, School of Management, UAF

*2. Amber Lammers, MBA*

HSEM/MBA Program Coordinator, UAF

**C. Classified personnel**

SOM office staff as necessary

**IV. Enrollment Information**

**A. Projected enrollment/present enrollment**

Projected enrollment for the AASM program is 15 students for Fall Semester 2017. We estimate further enrollment increases of an additional 15 students per year.

PROJECTED enrollment for Associate of Arts in Security Management degree is 45 students

**B. How determined/who surveyed/how surveyed**

This was determined through coordination with TSA and Veterans Services. The HSEM program currently maintains 75+ students enrolled in 100 and 200-level HSEM courses each

semester offered in association with a Homeland Security Occupational Endorsement. Many of these students have expressed interest in continuing their education on to an associate degree or higher after completing their occupational endorsement. Of note, the Veterans Services Office identified a high demand for a degree like the AASM among both active military and veteran students at UAF – a significant aspect directly related to the Fairbanks area retaining the highest national per capita population of military veterans.

**C. Minimum enrollments to maintain programs for 1<sup>st</sup> year (10 students), 2<sup>nd</sup> year (15 students), 3<sup>rd</sup> year (20 students), 4<sup>th</sup> year (20 students), and 5<sup>th</sup> year (20 students).**

Projected enrollment is as follows: 1<sup>st</sup> year (15 students), 2<sup>nd</sup> year (25 students), 3<sup>rd</sup> year (30 students), 4<sup>th</sup> year (35 students), and 5<sup>th</sup> year (40 students).

**D. Maximum enrollment which program can accommodate:**

The program as currently planned and staff could accommodate up to twenty-five students per semester for a total of forty-five students annually.

**E. Special Restrictions on enrollments**

The maximum enrollment for this degree will be dependent upon faculty availability and network capacity. It is estimated that this Associate of Arts in Security Management program can maintain forty-five students online at a time. This allows instructors the ability to work closely with students and meet the desired learning outcomes of the program. This degree is deliberately designed so that students do not have to take classes in any particular order. This will help increase the flexibility of the student's learning. If demand necessitates more course offerings, additional bandwidth, faculty and network servers will be utilized so the program enrollment can grow.

**V. Need for Degree**

**A. Requirement for other programs? How has this been met to date?**

This degree will be a foundation step for the baccalaureate HSEM degree. Currently, BEM students typically have an AAS or equivalent credits in a technical emergency response related field. The proposed Associate of Arts in Security Management degree provides students, who are focused on the HSEM courses, an additional pathway to the BEM degree.

**B. Employment market needs**

**1. Who was surveyed? How?**

The career outlook for emergency management specialists is expected to grow at a moderate pace over the next eight years. The BLS projects that positions among this

career field will grow by 6% between 2014 and 2024.

[http://study.com/articles/Jobs\\_for\\_Emergency\\_Management\\_Professionals\\_Career\\_Outlook.html](http://study.com/articles/Jobs_for_Emergency_Management_Professionals_Career_Outlook.html)

US News and World Report (Money) ranks the Emergency Management Specialist “as one of the 50 best jobs of 2011, should have strong growth over the decade.”

<http://money.usnews.com/money/careers/articles/2010/12/06/best-jobs-2011-emergencymanagement-specialist>

## **2. Job opportunities now, 2, 5, and 10 years from now:**

As indicated previously, the forecast from the Bureau of Labor Statistics’ for growth in these fields remains strong.

## **3. How have positions been filled to date?**

These positions have been filled to date by individuals who have experience, but lack any formal education in homeland security or emergency management. As a growing discipline, formal education is becoming increasingly important and as such this program helps provide students with the required academic background.

## **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.

## **VII. Resource Impact**

### **A. Budget:**

The AASM is expected to bring in an annual class of 25 full-time and 20 part-time students. Factoring in a 5% tuition increase, that will take place in FY18, the annual revenue generated from this program to UAF is estimated at \$290,749. (There is likely to be additional revenue generated from the AASM students that will continue on to the Bachelors of Emergency Management (BEM) degree that is not calculated here). The cost will be that of an additional instructor to teach the additional sections of courses needed each year. The salary for the new term instructor will be \$70,962 which with benefits will total \$92,605. The newly generated tuition from the new students attracted to the program will cover the salary. All other staff expenses, such as staff support, will be covered by existing staff or with additional student support from the existing pool.

See attached Budget Support Documentation

**B. Facilities/space needs:**

As this program will be completed entirely online, no additional facilities or space will be required. The resources needed for the classes are already being utilized and no additional space will be required to expand the classes into an online degree.

**C. Credit hour production:**

Four HSEM 100 or 200 level courses will be offered per semester, providing students with 12 semester credits and eligibility for full-time financial aid.

**D. Faculty:**

Most of the faculty needed to sustain the program have already been hired and are currently teaching classes at UAF. Many of these instructors are adjuncts and have been teaching HSEM lower division courses for over two academic years. We will require one additional term faculty position which will be funded internally from SOM, if additional funds are not found elsewhere, with the additional cost of the hire to be covered by the additional tuition.

**E. Library/media materials, equipment, etc.:**

We have been given access rights to the Homeland Security Digital Library (HSDL) as part of our partnership with the University and Agency Partnership Initiative with the Naval Postgraduate School Center for Homeland Defense and Security.

**VII. Relation to other programs within the system****A. Effects on enrollment elsewhere in system**

There will be an increase in demand for the general education requirements and university associate degree requirements which include, but are not limited to the following classes: ENGL F111X- Introduction to Academic Writing, ENGL F211X or ENGL 213X- Writing about Literature/Science, COMM F131X or F141X/F121X- Oral Communication, MATH F113X, MATH F151X or F122X- Calc. Functions/Business Algebra, and ANTH F100X/SOC F100X- Individual, Society, and Culture

However, no detrimental effect on any other associate degree programs is forecasted.

**B. Duplicate/Approximate programs**

There is no duplication of this program anywhere in the UA system. Similar AAS degrees in the system include Fire Science and Paramedicine, although neither of these degrees focuses on homeland security.

## **C. Relation to research or service activities**

### **1. Contributions to research or service**

We envision the AASM to provide students the ability to broaden their reach in both and service opportunities. Utilizing the academic instruction provided, our students will have the ability to apply the research they are exposed to, to work with local communities, state-level representatives, and national partners in a manner similar to what has been achieved through the BEM.

### **2. Benefits from research or service**

The experiences provided from our research and service activities will continue to help validate the program beyond the educational offerings. The benefits realized will additionally serve to reinforce the mission of the university, the communities we support and those practitioners who support our collective public safety.

## **IX. Implementation/Termination**

### **A. Date of Implementation:**

Fall 2017

### **B. Plans for recruiting students:**

The initial recruiting efforts will be for students currently enrolled in the Homeland Security Occupational Endorsement program, which mainly consists of TSA students. From there, we will plan a recruiting students out of the local high schools and technical schools.

### **C. Termination date:**

There are no plans to terminate the program.

### **D. Plans for phasing out if unsuccessful:**

Though not likely, if the program were terminated student progress and requirements would be assessed and a plan of course offerings that allowed all current students to complete requirements would be put into place. No additional students would be admitted prior to putting this plan in place. Teach out should take no longer than approximately 3 semesters.

### **E. Assessment of program:**

See Student Learning Outcomes, attached



**Board of Regents Program Action Request  
University of Alaska**

Proposal to Add, Change, or Delete a Program of Study  
(University Regulation R10.04.020)

1a. Major Academic Unit (choose one)      UAF	1b. School or College School of Management	1c. Department: Homeland Security and Emergency Mgmt
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2. Complete Program Title: Associate of Arts in Security Management

3. Type of Program

Undergraduate Certificate   
  AA/AAS   
  Baccalaureate   
  Post-Baccalaureate Certificate  
 Masters   
  Graduate Certificate   
  Doctorate

4. Type of Action <input checked="" type="checkbox"/> Add <input type="checkbox"/> Change <input type="checkbox"/> Delete	5. Implementation date (semester, year) Fall, 2017
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6. Projected Revenue and Expenditure Summary. Not Required if the requested action is deletion.  
 (Provide information for the 5<sup>th</sup> year after program or program change approval if a baccalaureate or doctoral degree program; for the 3<sup>rd</sup> year after program approval if a master's or associate degree program; and for the 2<sup>nd</sup> year after program approval if a graduate or undergraduate certificate. If information is provided for another year, specify (1st) and explain in the program summary attached).

Projected Annual Revenues in FY 20		Projected Annual Expenditures in FY 20	
Unrestricted		Salaries & benefits (faculty and staff)	\$92,605
General Fund	\$0	Other (commodities, services, etc.)	\$0
Student Tuition & Fees	\$290,749	TOTAL EXPENDITURES	\$0
Indirect Cost Recovery	\$0	One-time Expenditures to Initiate Program (if >\$250,000)	
TVEP or Other (specify): N/A	\$0	(These are costs in addition to the annual costs, above.)	
Restricted		Year 1	\$0
Federal Receipts	\$0	Year 2	\$0
TVEP or Other (specify): N/A	\$0	Year 3	\$0
TOTAL REVENUES	\$290,749	Year 4	\$0

Page # of attached summary where the budget is discussed, including initial phase-in: NA

7. Budget Status. Items a., b., and c. indicate the source(s) of the General Fund revenue specified in item 6. If any grants or contracts will supply revenue needed by the program, indicate amount anticipated and expiration date, if applicable.

Revenue source	Continuing	One-time
a. In current legislative budget request	\$0	\$0
b. Additional appropriation required	\$0	\$0
c. Funded through internal MAU redistribution:	\$0	\$0
d. Funded all or in part by external funds, expiration date N/A	\$0	\$0
e. Other funding source Specify Type: N/A	\$0	\$0

8. Projected enrollments (headcount of majors). If this is a program deletion request, project the enrollments as the program is phased out.

Year 1: 15	Year 2: 30	Year 3: 45	Year 4: 45
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Page number of attached summary where demand for this program is discussed: 9



**RESOURCE COMMITMENT TO THE  
PROPOSED DEGREE PROGRAM**

Resources	Existing	New		Total
	College/School	College/School	Others (Specify)	
Regular Faculty (FTE's & dollars)	No change	N/A	N/A	No change
Adjunct Faculty (FTE's & dollars)	No change	N/A	N/A	No change
Teaching Assistants (Headcount)	0	N/A	N/A	0
Instructional Facilities (in dollars and/or sq. footage)	Use existing space, 350 sq ft (Pogo Mine classroom)	N/A	N/A	350 sq ft
Office Space (Sq. footage)	Use existing space, 520 sq ft	N/A	N/A	520 sq ft
Lab Space (Sq. Footage)	0	N/A	N/A	0
Computer & Networking (in dollars)	Use existing computers	N/A	N/A	No change
Research/ Instructional/ office Equipment (in dollars)	Use existing equipment	N/A	N/A	No change
Support Staff (FTE's & dollars)	Current HSEM advisor will advise new AASM students	N/A	N/A	No additional staff
Supplies (in dollars)	0	N/A	N/A	0
Travel (in dollars)	0	N/A	N/A	???

Signature \_\_\_\_\_  
Dean of College/School Proposing New Degree Program

\_\_\_\_\_ Date

**Projected Annual Revenues in FY20**  
**Associate of Arts in Security Management**  
**Prepared November 2, 2016**

**Use this spreadsheet to calculate projected tuition and fee revenue in FY20**

Projected Annual Revenues in FY20	
Unrestricted	
General Fund	0
Student Tuition and Fees	\$ 290,749
Indirect Cost Recovery	0
TVEP or Other	0
Restricted	
Federal Receipts	0
TVEP or Other	0
<b>TOTAL REVENUES</b>	<b>\$ 290,749</b>

Projected Student Tuition and Fees (Assume a 5% increase in tuition and fee costs each year)				
100-200 level courses	FY 20	....	Number of full-time and part-time students enrolled in FY20	Total Revenues
	\$			
Full-time, resident, 30 cr hrs per year	8,307		25	\$ 207,678
	\$			
Part-time, resident, 15 cr hrs per year	4,153		20	\$ 83,071
			<b>45</b>	<b>\$ 290,749</b>

UNIVERSITY OF ALASKA FAIRBANKS  
SCHOOL OF MANAGEMENT (SOM)  
HOMELAND SECURITY AND EMERGENCY MANAGEMENT (HSEM) PROGRAM  
PROSPECTUS- ASSOCIATE OF ARTS IN SECURITY MANAGEMENT

**A. MISSIONS AND GOALS:**

**1. Mission:** The mission of the Associate of Arts in Security Management program is to provide both aspiring and existing homeland defense/security and emergency management practitioners the technical and education needs required within the rapidly changing homeland security and emergency management enterprise.

The program builds upon the experience and education of those within this highly interdisciplinary enterprise, providing a relevant entry level education focusing on the technical to operational requirements of our collective safety and security. Significantly, the bachelor of emergency management degree has grown from four in 2010 to over two-hundred forty (2016). Growth within the program has occurred due to the evolving nature of the homeland defense and security and emergency management enterprise and the recognized need for a formal education supporting our first responders and those who are looked to lead and manage within these associated fields. We anticipate as part of the continued expansion of our offering 100/200 level courses as part of a DHS/TSA initiative, that we will attract students from this program to the BEM. It is also noted that should UAF expand this initiative beyond Alaska to include the Pacific Rim, the UA system will likely continue to have approximately 70 – 80 additional students a semester taking courses as part of their professional development. Current BEM students are first responders in fire and law enforcement, students with diverse backgrounds and a growing interest in emergency management, veterans who are re-tooling for job placement and agency staff using the BEM for professional development.

**2. Delivery Method:** The degree will be offered online through a combination of both synchronous and asynchronous (hybrid) means. This will provide those who are already employed the flexibility needed to participate within the program while simultaneously providing our in-resident students the ability to interface with other students locally, within Alaska, and nationally as well. The curriculum delivery method for the program builds upon the success of the BEM and MSDM and benefits from those lessons learned from BEM/MSDM development and delivery experience.

**B. AUTHORIZATION:**

The University of Alaska Fairbanks (UAF) is one of three individually accredited universities within the University of Alaska system. UAF has been continuously accredited since 1934 by the Northwest Commission on Colleges and Universities.

The Constitution of the State of Alaska establishes the University of Alaska as the state university, governed by a Board of Regents appointed by the governor. Alaska Statutes provide for a board of eleven voting members, including one student, with authority to carry out the mission of the university system and its constituent units, including the determination and regulation of the university's course of instruction and the conferring of degrees. Members of the board have no contractual, employment, or financial interest in the university. The chair is elected from among the board. The board appoints the president of the university system, who in turn appoints the chancellor of UAF. Both officers are full-time employees whose only responsibility is to the institution.

### **C. EDUCATIONAL OFFERINGS:**

#### 1. Descriptive information for the Associate of Arts in Security Management

The Associate of Arts in Security Management provides students with the academic education required to obtain entry into homeland security and emergency management related fields. It also offers students the opportunity to continue their education and earn bachelorette degrees

1. Complete the general education requirements – (39 credits)

#### 2. Complete the following major courses (21 credits):

HSEM F120- Introduction to Emergency Management (3)

HSEM F121- Introduction to Homeland Security (3)

HSEM F223- Terrorism: A Global Threat (3)

HSEM F225- Intelligence Analysis and Security Management (3)

HSEM F227- Transportation and Border Security (3)

HSEM F231- The Threat of Weapons of Mass Destruction (3)

HSEM F233 - Critical Infrastructure Protection (3)

#### 3. Total Credits Required (60)

Students planning to take the BEM or any four-year degree should take the above courses, and students without plans to continue their education after the AASM may take other 100 or 200 level course as electives.

#### 2. Course Descriptions

**HSEM F120 – INTRODUCTION TO EMERGENCY MANAGEMENT – (3 cr.)** This course will introduce students to the critical concepts and components of the field of Emergency Management. Students will be exposed to historical events, as well as those the world may still see. The importance of government agencies and the emergency management cycle will be studied. Additionally, the effects of natural, man-made, and technological hazards that cause disasters will be discussed at length.

**HSEM F121– INTRODUCTION TO HOMELAND SECURITY – (3 cr.)** This course will introduce students to the vocabulary and important components of Homeland Security. The importance of the agencies associated with Homeland Security and their interrelated duties and relationships will be discussed. Historical events that impact Homeland Security will be examined as will the most critical threats confronting Homeland Security.

**HSEM F223 – TERRORISM: A GLOBAL THREAT – (3 cr.)** This course will investigate the historical origins of global terrorism, the major contemporary terrorist organizations (international and domestic), their ideological motivations, and their methodologies for employing terror. It will also explore the national security and economic threats posed to the United States and other western societies. An in-depth examination and evaluation of several case studies of terrorist acts will be made. The primary focus of this course will be on terrorist organizations and their acts of terror.

**HSEM F225 – INTELLIGENCE ANALYSIS AND SECURITY MANAGEMENT – (3 cr.)** This course examines the history of intelligence gathering and espionage in the United States. A succinct study and comparative analyses of the intelligence collection methods of other nations will also be made. An in-depth study of key U.S. intelligence agencies, their collection methodologies, and their effect upon national security will be examined.

**HSEM F227 – TRANSPORTATION AND BORDER SECURITY – (3 cr.)** This course provides an overview of modern border and transportation security challenges, as well as different methods employed to address these challenges. The course covers time from 9/11/2001 to the present day. The course explores topics associated with border security and security for transportation infrastructure, including seaports, ships, aircrafts, airports, trains, train stations, trucks, highways, bridges, rail lines, pipelines, and buses. The course will include an exploration of technological solutions employed to enhance the security of borders and transportation systems. Students will be required to discuss the legal, economic, political, and cultural concerns and impacts associated with transportation and border security.

**HSEM 231 – THE THREAT OF WEAPONS OF MASS DESTRUCTION – (3 cr.)** This course provides an overview of the current and potential weapons that may cause widespread destruction if utilized. Students will also learn the history of weapons of mass destruction and how they became a tool of terrorism. The course will outline how terrorists choose their weapons and what they hope to accomplish with

them. By understanding the relationship between terrorists and their weapons, students will be able to understand the continuous changes in terrorism today.

#### HSEM 233 – CRITICAL INFRASTRUCTURE PROTECTION – (3 cr.)

This course introduces students to a framework for understanding Critical Infrastructure Protection (CIP) and provides learning resources for understanding portions of the framework. Over the past fifty years, as societies became more interconnected and interdependent, our government recognized the importance of protecting the infrastructures that are essential to the functioning of the nation. In the 1980s, our current understanding of CIP began to evolve when the U.S. government charged the head of each federal department and agency with the responsibility to protect essential resources and facilities within their organizations.

#### **D. PLANNING:**

Student demands serves as the primary driver to the initiative to develop and deliver the Associate of Arts in Security Management degree. Considering the growth of the BEM program in the past few years, in combination with the increasing growth in the homeland security and emergency management career fields, student interest has continued to grow.

We have received several letters of support from both the public and private sector supporting the development of the Associate of Arts in Security Management.

Need for program: This program is not required for other programs to date. This degree will/can satisfy the general education requirements and the emergency services requirement of SOM's bachelor of emergency management degree. To date, there are no other programs like this in Alaska.

Employment market needs:

The career outlook for emergency management specialists is expected to grow at a moderate pace over the next eight years. The BLS projects that positions among this career field will grow by 6% between 2014 and 2024.

[http://study.com/articles/Jobs\\_for\\_Emergency\\_Management\\_Professionals\\_Career\\_Outlook.html](http://study.com/articles/Jobs_for_Emergency_Management_Professionals_Career_Outlook.html)

US News and World Report (Money) ranks the Emergency Management Specialist "As one of the 50 Best jobs of 2011, should have strong growth over the decade."

<http://money.usnews.com/money/careers/articles/2010/12/06/best-jobs-2011-emergencymanagement-specialist>

#### **E. BUDGET:**

See Budget Support Documentation, attached

#### **F. STUDENT SERVICES:**

Local students will access student assistance at UAF and there are student services available through eLearning. Help with Blackboard and other university technology is available through eLearning and OIT. Students can call Disability Services, their academic advisor in the HSEM department or the Student Services staff at eLearning and the main campus for any assistance they need.

#### **G. PHYSICAL FACILITIES:**

No new facilities are anticipated as this program will be taught online.

#### **H. LIBRARY AND INFORMATION RESOURCES:**

There are adequate library services for this degree. Many items are available electronically and can therefore be accessed by the students in most locations. The delivery of this program is online so students will have to have access to the internet.

#### **I. FACULTY AND STAFF:**

HSEM faculty and the adjunct corps will meet the current need for delivery of the MSDM program.

#### **CAMERON CARLSON, HSEM PROGRAM DIRECTOR, INSTRUCTOR**

M.A. Webster University, St. Louis, MO., International Relations

Director, Center for the Study of Security, Hazards, Response and Preparedness (2013-present)

Department Chair/ Department of Military Science and Leadership, College of Liberal Arts, University of Alaska Fairbanks (2003-2006)

Project Management Professional (PMP) certification

Federal Emergency Management Agency, Emergency Management Institute (EMI) Professional Development Series—June, 2010

National Incident Management System (NIMS) (100, 200, 300, 400 levels) 2007—2010

State of Alaska Division of Homeland Security and Emergency Management Intermediate ICS for Expanding Incidents—June, 2009

Texas A&M Engineering and Extension Service (TEEX) Incident Management courses  
Department of Homeland Security and U.S. Army: a number of courses and certificates including many of the topics covered in the MSDM program

Various volunteer and Professional Organization activities

## **Awards**

32 Military Awards

University of Alaska Fairbanks, College of Liberal Arts Teaching Excellence Award (SY 03-04, 04-05, 05-06)

Commandants List, Infantry Officer's Basic Course (1987)

George C Marshall National Leadership Award recipient (1986)

Distinguished Military Graduate, Monmouth University (1986)

Alden Partridge Leadership Award recipient, Monmouth University (1985, 1986)

## **SEAN E. MCGEE, HSEM INSTRUCTOR**

M. A. Justice Administration and Management, UAF, ABT,

Instructor, HSEM program courses:

Introduction to Emergency Management (HSEM F293, F220)

Introduction to Homeland Security (HSEM F221)

Critical Infrastructure Protection (HSEM F233)

Intelligence Analysis and Security Management (HSEM F225)

Transportation and Border Security (HSEM F227)

Principles of Homeland Security and Emergency Management (HSEM F301)

20+ years in Law Enforcement at UAF, for the North Slope Borough and with Anchorage PD Chief, UAF Police Department, 2005-2013

Alaska State Troopers Special Emergency Reaction Team (S.E.R.T.) 1998-2013 State Troopers' primary instructor at annual training events for S.E.R.T.

F.B.I. National Academy Graduate 2002

Incident Command System Training

Alaska Police Standard Council's Advanced Certification

Alaska Police Standard Council's Methods of Instruction Certification

Instructor:

Chemical Agents in Law Enforcement

Firearms and Defensive Tactics

Less Lethal Force Options

Taser, Oleoresin Capsicum Aerosol Training, and the use of intermediate impact weapons, CTC Law Enforcement Academy

Various volunteer and Professional Organization activities

**Adjunct Faculty:**

Ron DeWitt

David Neel

**Staff:**

Amber Lammers, HSEM Program Coordinator  
M.B.A. UAF 2014  
B.E.M. UAF 2012  
UAF School of Management

Francine Davis, Fiscal Officer  
M.B.A. UAF 2010  
UAF School of Management  
**Professional Certification**  
Certified Research Administrator

**J. Associate of Management in Homeland Security**

2 Year plan. Students may begin either Fall or Spring Semesters

Fall XX (Year 1)

ENGL 111x	(3)
COMM 141x	(3)
Art GER	(3)
Social Science GER	(3)
Library Science course	(1)
<b>Total Credits</b>	<b>(13)</b>

Spring XX

ENGL 213x	(3)
Natural Science GER	(4)
Humanities GER	(3)
HSEM 120	(3)
<b>Total Credits</b>	<b>(13)</b>

Summer XX

Social Science GER	(3)
HSEM 121	(3)
HSEM 225	(3)
<b>Total Credits</b>	<b>(9)</b>

Fall XX (Year 2)

Math GER	(3)
Natural Science GER	(4)
HSEM 227	(3)
HSEM 231	(3)
<b>Total Credits</b>	<b>(13)</b>

Spring XX

Humanities GER	(3)
Social Science GER	(3)* in place of the Ethics GER in catalog
HSEM 223	(3)
HSEM 233	(3)
<b>Total Credits</b>	<b>(12)</b>

**Total Degree Credits**      **(60)**

**UNIVERSITY OF ALASKA FAIRBANKS**  
**Student Learning Outcomes Assessment Plan**  
 School of Management  
 Associate of Arts in Security Management  
 (2016-2017)

**SOM MISSION:** We are a learning community where innovation in teaching, discovery and service prepares students for professional success that benefits our community, the state of Alaska and the nation.

**SOM VISION:** The School of Management will be recognized for high-quality educational programs, hands-on educational opportunities for students, service to the community and accomplished teaching and research faculty. The School of Management strives to be acknowledged as the premier business school in Alaska.

Intended Objectives/Outcomes	Assessment Criteria and Procedures	Implementation (what, when, who)
<p><b>1. Communication</b></p> <p><b>1a. Written: Students should be able to</b> develop a paper using cogent arguments or opinions on topics pertaining to the field of study.</p> <p><b>1b. Oral: Students should be able to</b> deliver a professional PowerPoint presentation and field questions related to presentation with confidence and poise.</p>	<p><b>1a. Instrument:</b> Written case study papers</p> <p><b>Rubric:</b> The rubric covers 6 dimensions</p> <p><b>Min. Standard:</b> 75% of students meet or exceed expectations averaged across all six components.</p> <p><b>1b. Instrument:</b> PowerPoint presentations</p> <p><b>Rubric:</b> The rubric covers 6 dimensions</p> <p><b>Min. Standard:</b> 75% of students meet or exceed expectations averaged across all six components</p>	<p><b>1a.</b> Case Study papers will be collected from HSEM 120 and HSEM 223.</p> <p><b>1b. PowerPoint</b> presentations will be collected in HSEM 223.</p>
<p><b>2. Operational Knowledge</b></p> <p><b>Students should be able to</b> demonstrate an acceptable level of understanding in critical subject matter as pertaining to entry-level emergency management and homeland security topics.</p>	<p><b>Instrument:</b> A 30 question exam is compiled from each of the seven HSEM subjects covered in the degree.</p> <p><b>Rubric:</b> Satisfactory score is 70% of the questions answered correctly</p> <p><b>Min. Standard:</b> 75% of students scoring at least satisfactory</p>	<p>This exam will be given each semester (Fall and Spring) during the HSEM 231: Critical Infrastructure course to all students finishing the AASM degree.</p>
<p><b>3 Problem Solving</b></p> <p>Students should understand the introductory concepts in Homeland Security and Emergency Management and their relationship to the current environment.</p>	<p><b>Instrument:</b> Embedded questions in unit quizzes</p> <p><b>Rubric:</b> answer key</p> <p><b>Min. Standard:</b> 75% of students meet or exceed expectations averaged across all six components</p>	<p>Data will be collected from exams in HSEM 120, HSEM 121, HSEM 225, HSEM 227, and HSEM 233. Data will be collected each semester these courses are provided.</p>

## **APPENDIX**

November 2, 2016

Mr. Gumesindo Rosales

P.O. Box 35023

Juneau, AK 99803-5023

Dear Dr. Herrmann,

I am writing this letter of support for the development of an Associate's Degree program in Homeland Security within Homeland Security and Emergency Management (HSEM) Program at UAF.

An Associate's degree would prove to be helpful not only in my pursuit in achieving my academic goals, it would likewise assist me in my professional career.

I fully support the efforts of the HSEM program and am confident that they will continue to offer a quality education to assist myself and others in reaching key goals for our future.

Yours truly,

Gumesindo L Rosales