

HOMELAND SECURITY AND EMERGENCY MANAGEMENT

B.S.E.M., M.S.D.M Degrees, Graduate Certificates, Minors

In a post-9/11 environment, the challenges faced by emergency management and homeland security professionals have reached unprecedented levels. As we experience an increase in the frequency, complexity and severity of human-made, natural and technological disasters, ever-increasing demands have been placed on emergency professionals, and the skill sets required to succeed. Today, more so than ever before, the integration of federal, state, and local resources, communication and collaboration has become the norm. Issues concerning terrorism, cyber-security, critical infrastructure protection and management, risk, business continuity, fire, hazardous materials, law enforcement, public health and safety are no longer domains unto themselves. They are now part of the new fabric of this highly integrated and complex environment. As a result, the demands placed on our first responders and those charged with these individuals and organizations' leadership and management roles have changed significantly.

College of Business and Security Management

Department of Homeland Security and Emergency Management (<https://www.uaf.edu/cbsm/programs/hsem.php>)
907-474-7461

B.S.E.M., SECURITY AND EMERGENCY MANAGEMENT

The homeland security and emergency management program focuses on developing skills to lead and manage individuals and organizations in an increasingly complex environment. The program builds upon an individual's technical capabilities derived from education, training and experience in fire, information technology, law enforcement, military, homeland security and emergency management or other related fields. This technical expertise is combined with a business administration curriculum, emergency management and homeland security-based instruction. This focus gives students the operations management knowledge to lead and manage individuals, departments or agencies daily and during times of crisis. The homeland security and emergency management degree is explicitly built to meet the needs of practitioners who provide administrative oversight, leadership or management roles within the homeland security and emergency management enterprise at the local, state, federal and international levels. The degree also provides those at the responder level the opportunity to further their education, increase their competitive advantage for promotion, and advance their operational understanding of today's highly integrated emergency management and homeland security environment.

Minimum Requirements for Security and Emergency Management
B.S.E.M. Degree: 120 credits

Learn more about the bachelor's degree in homeland security and emergency management (<https://uaf.edu/academics/programs/bachelors/security-emergency-management.php>), including an overview of the program, career opportunities and more.

M.S.D.M., SECURITY AND DISASTER MANAGEMENT

The online master of security and disaster management program serves both aspiring and existing homeland defense/security and emergency management practitioners. The program builds upon the experience and education of those within this highly interdisciplinary enterprise, providing graduate-level education that focuses on supporting the operational and strategic needs of those leading and managing in today's highly complex world. Leveraging the education provided in the bachelor of security and emergency management degree, the master's degree requires a greater synthesis and integration of the critical thinking and analysis skills required for managers and leaders in homeland defense/security and emergency management and associated fields.

The primary objectives of the program are to: prepare students for leadership and management roles in homeland security and emergency management; identify best practices for integrating community planning, security and aspects of prevention and mitigation when preparing communities and regions for a disaster; underscore the need to adopt and manage an "all hazards" approach to preparing for and managing disasters at the tactical, operational and strategic levels of the HSEM enterprise; and develop critical thinking skills, analytical abilities and leadership/management capacity to serve at the executive level in public and private sector organizations.

Applications are reviewed on a continual basis.

Minimum Requirements for Security and Disaster Management Master's Degree: 30 credits

Learn more about the master's degree in disaster management (<https://uaf.edu/academics/programs/masters/security-disaster-management.php>), including an overview of the program, career opportunities and more.

OCCUPATIONAL ENDORSEMENT, HOMELAND SECURITY

The occupational endorsement in homeland security provides the essential academic preparation and sought-after critical thinking skills necessary for mid-level careers in the homeland security field. At the same time, this certificate serves as a stepping stone into homeland security and emergency management-related degree programs such as the HSEM bachelor's degree at the College of Business and Security Management.

Minimum Requirements for Homeland Security Occupational Endorsement: 12 credits

GRADUATE CERTIFICATE, ARCTIC SECURITY

The Arctic security graduate certificate gives students the education and expertise to understand and better navigate the numerous concerns surrounding the Arctic region. With the transforming Arctic and its associated climate, security, geopolitical and resilience-related developments, a thorough understanding of the region will be key to those who work within the fabric of local, state, national and international settings.

An Arctic security graduate certificate represents an endorsement of advanced academic education and a more robust understanding of the operational context of the Arctic.

Minimum Requirements for Arctic Security Graduate Certificate: 12 credits

Learn more about the graduate certificate in Arctic security (<https://ecampus.uaf.edu/arctic-security-online-graduate-certificate/>), including an overview of the program, career opportunities and more.

GRADUATE CERTIFICATE, CLIMATE SECURITY

The climate security graduate certificate provides students with the education and expertise required to understand and better navigate the numerous concerns surrounding climate-related challenges in the realm of security and disaster management. With significant shifts in global climate, new concerns in human, national and international security are emerging, creating challenges for resilience and governance. Understanding how prior climate disaster knowledge can be combined with an understanding of future models, scenarios and planning tools will be needed to navigate the unforeseen consequences and the impacts on populations. A climate security graduate certificate represents an endorsement of advanced academic education and a more robust understanding of climate-related security and resilience concerns and planning considerations.

Minimum Requirements for Climate Security Graduate Certificate: 12 credits

GRADUATE CERTIFICATE, BUSINESS CONTINUITY

The business continuity graduate certificate provides students with an in-depth overview of the processes required to build resilience and provide for disaster recovery within both public and private entities. Planning and preparing for the adverse effects of a major crisis brought on by natural disasters, cyber threats and even common emergencies are key to the survival of an organization post-event. Business continuity is an important component in having a successful business, and as such, many organizations are adapting their employee's roles to include continuity components. This certificate will help students understand those components, teach them how to develop a plan and cover best practices to survive and thrive despite a crisis or disaster. This knowledge, in turn, better prepares employees and businesses for any business disruption that may occur.

Minimum Requirements for Business Continuity Graduate Certificate: 12 credits

Learn more about the graduate certificate in business continuity (<https://ecampus.uaf.edu/business-continuity-online-graduate-certificate/>), including an overview of the program, career opportunities and more.

GRADUATE CERTIFICATE, CYBERSECURITY MANAGEMENT

The cybersecurity management graduate certificate is designed for the student who desires an in-depth overview of the important topics in providing for the cybersecurity-oriented aspects of managing cyber-related operations. The certificate provides relevant and cutting-edge education specific to the needs of individuals and their associated organizations in providing the technical capability to prevent, plan for and recover from technological incidents. Cybersecurity, a very dynamic field, requires lifelong learning. This certificate program serves as continuing professional education (CPE) for many professional certifications today. Recipients of the cybersecurity management graduate certificate are

better prepared for the challenges of the cybersecurity workforce today and in the future.

Minimum Requirements for Cybersecurity Management Graduate Certificate: 12 credits

Learn more about the graduate certificate in cybersecurity management (<https://ecampus.uaf.edu/cybersecurity-management-online-graduate-certificate/>), including an overview of the program, career opportunities and more.

GRADUATE CERTIFICATE, STRATEGIC LEADERSHIP

The strategic leadership certificate program focuses on those leadership skills essential to effective strategic executive leadership. In an age of increasing complexity where greater demands are placed on executives to provide vision and pathways to the future, the ability to collaborate effectively, integrate technology, and adapt to an ever-changing environment is essential. Effective strategic leaders today must understand how to create a positive vision that constructively influences both the organization and those within it.

This certificate specifically targets those who wish to either transition into or currently serve at the senior or executive level in the public or private sectors or within nonprofits and who need to better understand the context in which they will be required to develop, collaborate on and consider strategic-level decisions.

Minimum Requirements for Strategic Leadership Graduate Certificate: 12 credits

Learn more about the graduate certificate in strategic leadership (<https://uaf.edu/academics/programs/masters/strategic-leadership-graduate-certificate.php>), including an overview of the program, career opportunities and more.

MINOR, MILITARY SCIENCE AND LEADERSHIP

The Army Reserve Officers' Training Program is America's primary program for training military officers. The Nanook Battalion is a cooperative effort agreed to by the Army and UAF as a means of providing junior officer leadership in the interest of national security. The goal of the program is to assist young men and women with leadership potential in obtaining commissions in the Army Reserve, National Guard or regular Army.

Military science and leadership is an approved minor for the B.A. degree. Army instructors train students in leadership, management and decision-making through academic instruction and practical experience laboratories. These instructors impart qualities necessary for the Army officer and civilian executive.

ROTC is divided into the basic course for freshmen and sophomores and the advanced course for juniors and seniors. Programs and courses can be adjusted to meet the specific needs of individual students who desire to enroll but are past their freshman year.

Basic military science courses are open to all students regardless of whether or not they intend to seek an Army commission. There is no military obligation incurred by enrolling in any of the basic courses.

Students who complete the basic course and desire to pursue the program for a commission may apply for enrollment in the advanced course. A special basic camp, two-year program is available for transfer

students and others who were unable to take ROTC prior to their last two years in school. This program allows immediate acceleration into the advanced course. Students should consult the professor of military science prior to June 1 annually for information concerning the basic camp. Students with prior military service may also apply for immediate enrollment as an advanced course student. Applicants must be physically qualified and be selected by the professor of military science. The criterion for selection is based on both academic proficiency and leadership potential.

There are many activities sponsored by the Nanook Battalion. The ROTC Color Guard team opens UAF hockey, basketball and other sporting and community events. They provide a recognized trained and dedicated guard for the national colors during the national anthem and opening ceremony. The Ranger Challenge team represents the Nanook Battalion and UAF in an annual military skill-based competition in Oregon. Army training such as Airborne School, Air Assault School, Northern Warfare Training and Mountaineering School are also offered to eligible students.

At an annual UAF ceremony, awards are presented for outstanding academic, athletic and leadership achievement, as well as excellence in ROTC skills.

Completion of the advanced program will lead to service in the Army as a commissioned officer. Students who compete for a commission are provided a monthly stipend. Advanced course students receive a monthly subsistence allowance during the school year. This allowance is tax-free. Students enrolled in military science are furnished uniforms and texts by the department. Army ROTC scholarships are available for tuition and lab fees, and provide a book allowance in addition to the stipend. Scholarships are awarded for two, three or four years on a competitive basis. Interested students should contact the Military Science Department for further details.

Minimum Requirements for Military Science and Leadership Minor: 19 credits

Programs

Degrees

- B.S.E.M., Security and Emergency Management (<https://catalog.uaf.edu/bachelors/homeland-security-emergency-management-bem/>)
- M.S.D.M., Security and Disaster Management (<https://catalog.uaf.edu/masters/security-disaster-management/>)

Occupational Endorsement

- O.E.C., Homeland Security (<https://catalog.uaf.edu/endorsements/homeland-security/>)

Graduate Certificates

- Graduate Certificate, Arctic Security (<https://catalog.uaf.edu/graduate-certificates/arctic-security/>)
- Graduate Certificate, Business Continuity (<https://catalog.uaf.edu/graduate-certificates/business-continuity/>)
- Graduate Certificate, Climate Security (<https://catalog.uaf.edu/graduate-certificates/climate-security/>)
- Graduate Certificate, Cybersecurity Management (<https://catalog.uaf.edu/graduate-certificates/cybersecurity-management/>)

- Graduate Certificate, Strategic Leadership (<https://catalog.uaf.edu/graduate-certificates/strategic-leadership/>)

Minors

- Minor, Cybersecurity (<https://catalog.uaf.edu/minors/cybersecurity/>)
- Minor, Homeland Security and Emergency Management (<https://catalog.uaf.edu/minors/homeland-security-emergency-management/>)
- Minor, Military Science and Leadership (ROTC) (<https://catalog.uaf.edu/minors/military-science-leadership/>)
- Minor, Military Security Studies (<https://catalog.uaf.edu/minors/military-security-studies/>)