

SECURITY MANAGEMENT

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Master of Science in Security Management with a concentration in Emergency Planning and Response

The Emergency Planning and Response master's degree concentration is offered to meet the needs of busy adults and prepares current or aspiring emergency response professionals to effectively strategize and implement emergency plans and responses. Graduates will learn to compare and contrast plans and responses to various events and disasters. Students will learn strategies for effective communication in all phases of emergency management (i.e., mitigation, preparedness, response, and recovery).

Whether an emergency is natural or human caused, emergency preparedness is vital to ensure minimize impacts on the welfare of those affected. The Emergency Planning and Response master's degree concentration covers emergency planning, mitigation of potential hazards, response, and recovery. Professional practitioners who work in the emergency planning and response field teach the Emergency Planning and Response master's degree concentration. Classes focus on the integrated system at every stage of a disaster and define the roles of emergency response teams, government agencies, businesses, and private citizens.

This degree prepares students to do the following:

- Develop emergency response plans to ensure that organizations or communities possess necessary resources (e.g., personnel, equipment, communications, etc.) to respond to emergency incidents;
- Identify the potential hazards within a community or organization that require mitigation to minimize the health, economic, and environmental consequences of potential emergency incidents;
- Develop critical incident management actions that will save lives, protect property and the environment, and meet the basic human needs during a critical incident;
- Construct Recovery Plans to repair damages and restore the health, economy, infrastructure, and environment of the affected community following a large-scale disaster.

Master of Science in Security Management with a concentration in Information Security

The Information Security master's degree concentration is offered entirely online at the University of Denver to meet the needs of busy adults. Pursue an Information Security master's degree concentration from University College and be prepared to analyze security needs, provide effective solutions, and fill a critical niche in organizations. Students will examine practical issues such as setting up a secure network, securing servers, and handling information security incidents. The practical labs give Information Security master's degree students the hands-on experience they need using industry-current security tools, effectively training students to apply lessons to real-world challenges.

Graduates are prepared for the security challenges presented across a variety of sectors as they undergo rigorous instruction from professional practitioners who work in information security. Degree-seekers will learn to design secure applications, implement access controls, establish secure operations, and control physical security, all while using encryption, secure networks, and maintain business continuity. Become an indispensable expert in determining Return on Security Investment (ROSI) and develop security policies and procedures that protect your organization from internal and external threats.

This degree prepares students to do the following:

- Design an information security plan for the strategic, planning, and management efforts of private and public sector organizations;
- Evaluate and analyze emerging information security issues, regulations, and threats;
- Analyze financial implications of information security programs and options;
- Protect vital information assets such as people, physical structures and equipment, intellectual property, and information, and maintain post-incident continuity of operations.

Master of Science in Security Management with a concentration in Organizational Security

Earned entirely online, the Organizational Security master's degree concentration examines emerging security issues, regulations, and threats. Current and aspiring security management professionals will benefit from the Organizational Security master's degree concentration offered by University College, as students learn the key strategic, planning, and management skills needed to thrive in the security management industry through an examination of emerging security issues, regulations, and threats.

Classes are led by instructors who work in the fields in which they teach, offering security management degree-seekers valuable insight to the industry. Students will learn to implement strategies to protect vital assets such as people, physical structures and equipment, intellectual property, and information, as well as analyze financial implications of security programs and options. Organizational security professionals are fundamental cogs in the business world, as well as in the government, as they may function as a chief security officer, director of loss prevention, director of security, security consultant, investigator, firefighter, or police officer.

This degree prepares students to do the following:

- Lead the strategic, planning, and management efforts of private and public sector organizations;
- Evaluate and analyze emerging security issues, regulations, threats, and innovations;
- Analyze financial implications of security programs and options;
- Protect vital assets such as people, physical structures and equipment, intellectual property, and information, and maintain post-incident continuity of operations.

Certificate in Security Management with a concentration in Emergency Planning and Response

The Emergency Planning and Response certificate is offered online to meet the needs of busy adults and prepares current or aspiring emergency response professionals to effectively strategize and implement emergency plans and responses. Certificate students will learn to compare and contrast plans and responses to various events and disasters. Students will learn strategies for effective communication in all phases of emergency management (i.e., mitigation, preparedness, response, and recovery).

Whether an emergency is natural or human caused, emergency preparedness is vital to ensure minimize impacts on the welfare of those affected. The Emergency Planning and Response certificate covers emergency planning, mitigation of potential hazards, response, and recovery. Professional practitioners who work in the emergency planning and response field teach the Emergency Planning and Response certificate courses. Classes focus on the integrated system at every stage of a disaster and define the roles of emergency response teams, government agencies, businesses, and private citizens. Credits earned through this graduate certificate may be applied towards a master's degree in Security Management.

Certificate in Security Management with a concentration in Information Security

The certificate in Information Security is offered entirely online to meet the needs of busy adults seeking to expand their current skillset in information security. An Information Security certificate prepares students to analyze security needs, provide effective solutions, and fill a critical niche in organizations. Certificate students will examine practical issues such as setting up a secure network, securing servers, and handling information security incidents. The practical labs give Information Security graduate certificate students the hands-on experience they need using industry-current tools geared for security. Students will also gain additional skills and knowledge in security management through elective coursework.

Certificate students will be prepared for real-world security challenges with a rigorous education from professional practitioners who work in information security. Certificate students will learn to design secure applications, implement access controls, establish secure operations, and control physical security, all while they use encryption, secure networks, and maintain business continuity. Become an indispensable expert in determining Return on Security Investment (ROSI) and develop security policies and procedures that protect your organization from internal and external threats. Credits earned through this graduate certificate may apply toward a master's degree in Security Management.

Certificate in Security Management with a concentration in Organizational Security

The certificate in Organizational Security is offered online at the University of Denver to meet the needs of busy adults. Current and aspiring security management professionals will benefit from the certificate in Security Management with a concentration in Organizational Security offered by University College, as students learn the key strategic, planning, and management skills needed to succeed in security management. The certificate program is designed for busy adults seeking to advance their skills in organizational-level security.

The certificate program is ideal for security professionals who currently work in the field, or aspire to, as they will examine emerging security issues, regulations, and threats in classes led by instructors who work in the fields in which they teach, offering security management students valuable insight to the security. Certificate graduates will learn to implement strategies to protect vital assets such as people, physical structures and equipment, intellectual property, and information, as well as analyze financial implications of security programs and options. Students will also gain additional skills and knowledge in security management through elective coursework. Credits earned through this graduate certificate may apply toward a master's degree in Security Management.

SPECIALIZED GRADUATE CERTIFICATE IN ORGANIZATIONAL SECURITY

The specialized certificate in Organizational Security is offered online at the University of Denver to meet the needs of busy adults. Current and aspiring security management professionals will benefit from the certificate in Security Management with a concentration in Organizational Security offered by University College, as students learn the key strategic, planning, and management skills needed to succeed in security management. The certificate program is designed for busy adults seeking to advance their skills in organizational-level security.

SPECIALIZED GRADUATE CERTIFICATE IN INFORMATION SECURITY

The specialized certificate in Information Security is offered entirely online to meet the needs of busy adults seeking to expand their current skillset in information security. An Information Security certificate prepares students to analyze security needs, provide effective solutions, and fill a critical niche in organizations. Certificate students will examine practical issues such as setting up a secure network, securing servers, and handling information security incidents. The practical labs give Information Security graduate certificate students the hands-on experience they need using industry-current tools geared for security.

SPECIALIZED GRADUATE CERTIFICATE IN EMERGENCY PLANNING AND RESPONSE

The specialized certificate in Emergency Planning and Response is offered online at the University of Denver to meet the needs of busy adults and prepares current or aspiring emergency response professionals to effectively strategize and implement emergency plans and responses. Graduates will learn to compare and contrast plans and responses to various events and disasters, as well as analyze leadership competence as plans are executed. As communication is key to effective emergency preparedness, graduate certificate students will take away strategies for effective communication in all phases of emergency management (i.e., mitigation, preparedness, recovery, and emergency response).

Master's Degree Admission

Degree and GPA Requirements

- Bachelor's degree: All graduate applicants must hold an earned baccalaureate from a regionally accredited college or university or the recognized equivalent from an international institution.
- Grade point average: The minimum undergraduate GPA for admission consideration for graduate study at the University of Denver is a cumulative 2.5 on a 4.0 scale or a 2.5 on a 4.0 scale for the last 60 semester credits or 90 quarter credits (approximately two years of work) for the baccalaureate degree. An earned master's degree or higher from a regionally accredited institution supersedes the minimum standards for the baccalaureate. For applicants with graduate coursework but who have not earned a master's degree or higher, the GPA from the graduate work may be used to meet the requirement. The minimum GPA is a cumulative 3.0 on a 4.0 scale for all graduate coursework undertaken.
- Program GPA requirement: The minimum undergraduate GPA for admission consideration for this program is a cumulative 2.5 on a 4.0 scale.

English Language Proficiency Test Score Requirements

The minimum TOEFL/IELTS/C1 Advanced/Duolingo English Test score requirements for this degree program are:

- Minimum TOEFL Score (Internet-based test): 80 with minimum of 20 on each sub-score
- Minimum IELTS Score: 6.5 with minimum of 6.0 on each band score
- Minimum C1 Advanced Score: 176
- Minimum Duolingo English Test Score: 115

English Conditional Admission: No, this program does not offer English Conditional Admission.

Certificate Admission

Degree and GPA Requirements

- Bachelor's degree: All graduate applicants must hold an earned baccalaureate from a regionally accredited college or university or the recognized equivalent from an international institution.
- Grade point average: The minimum undergraduate GPA for admission consideration for graduate study at the University of Denver is a cumulative 2.5 on a 4.0 scale or a 2.5 on a 4.0 scale for the last 60 semester credits or 90 quarter credits (approximately two years of work) for the baccalaureate degree. An earned master's degree or higher from a regionally accredited institution supersedes the minimum standards for the baccalaureate. For applicants with graduate coursework but who have not earned a master's degree or higher, the GPA from the graduate work may be used to meet the requirement. The minimum GPA is a cumulative 3.0 on a 4.0 scale for all graduate coursework undertaken.
- Program GPA requirement: The minimum undergraduate GPA for admission consideration for this program is a cumulative 2.5 on a 4.0 scale.

English Language Proficiency Test Score Requirements

The minimum TOEFL/IELTS/C1 Advanced/Duolingo English Test score requirements for this degree program are:

- Minimum TOEFL Score (Internet-based test): 80 with minimum of 20 on each sub-score
- Minimum IELTS Score: 6.5 with minimum of 6.0 on each band score

- Minimum C1 Advanced Score: 176
- Minimum Duolingo English Test Score: 115

English Conditional Admission: No, this program does not offer English Conditional Admission.

Master of Science in Security Management with a Concentration in Emergency Planning and Response

Degree Requirements

Code	Title	Credits
Core coursework requirements		
SMGT 4050	Security Concepts Overview	4
SMGT 4100	Business Function of Security	4
SMGT 4350	Business Assets Protection	4
SMGT 4910	Research Practices and Applications	4
SMGT 4901 or SMGT 4902	Capstone Project Capstone Seminar	4
Concentration requirements		
SMGT 4210	Critical Incident Management	4
SMGT 4230	Mitigation for Emergency Managers	4
SMGT 4240	Emergency Incident Recovery	4
SMGT 4400	Emergency Planning	4
Elective requirements (Choose three courses)		12
Total Credits		48

Minimum number of credits required: 48

Students will work with their Academic Advisor to determine the best set of courses to choose for their electives.

In University College graduate-level programs, grades of C or greater are considered passing, whereas grades of C- or lower are considered failing. Courses with a grade of C- or below will not count toward meeting degree or certificate requirements. Also, no more than one-fourth of the hours accepted toward the degree be grades of "C". A cumulative and program grade-point average of 3.0 or better must be maintained at all times.

Master of Science in Security Management with a Concentration in Information Security

Degree Requirements

Code	Title	Credits
Core coursework requirements		
SMGT 4050	Security Concepts Overview	4
SMGT 4100	Business Function of Security	4
SMGT 4350	Business Assets Protection	4
SMGT 4910	Research Practices and Applications	4
SMGT 4901 or SMGT 4902	Capstone Project Capstone Seminar	4
Concentration requirements		
SMGT 4200	Integrated Security Systems	4
SMGT 4250	Threats in Information Security	4
SMGT 4450	Legal & Ethical Issues in Security Management	4
SMGT 4500	Human Factors in Security	4
Elective requirements (Choose three courses)		12
Total Credits		48

Minimum number of credits required: 48

Students will work with their Academic Advisor to determine the best set of courses to choose for their electives.

In University College graduate-level programs, grades of C or greater are considered passing, whereas grades of C- or lower are considered failing. Courses with a grade of C- or below will not count toward meeting degree or certificate requirements. Also, no more than one-fourth of the hours accepted toward the degree be grades of "C". A cumulative and program grade-point average of 3.0 or better must be maintained at all times.

Master of Science in Security Management with a Concentration in Organizational Security

Degree Requirements

Code	Title	Credits
Core coursework requirements		
SMGT 4050	Security Concepts Overview	4
SMGT 4100	Business Function of Security	4
SMGT 4350	Business Assets Protection	4
SMGT 4910	Research Practices and Applications	4
SMGT 4901 or SMGT 4902	Capstone Project Capstone Seminar	4
Concentration requirements		
SMGT 4150	Risk Management	4
SMGT 4300	Security Administration	4
SMGT 4400	Emergency Planning	4
SMGT 4500	Human Factors in Security	4
Elective requirements (Choose three courses)		12
Total Credits		48

Minimum number of credits required: 48

Students will work with their Academic Advisor to determine the best set of courses to choose for their electives.

In University College graduate-level programs, grades of C or greater are considered passing, whereas grades of C- or lower are considered failing. Courses with a grade of C- or below will not count toward meeting degree or certificate requirements. Also, no more than one-fourth of the hours accepted toward the degree be grades of "C". A cumulative and program grade-point average of 3.0 or better must be maintained at all times.

Certificate in Security Management with a Concentration in Emergency Planning and Response

Program Requirements

Code	Title	Credits
Concentration requirements		
SMGT 4210	Critical Incident Management	4
SMGT 4230	Mitigation for Emergency Managers	4
SMGT 4240	Emergency Incident Recovery	4
SMGT 4400	Emergency Planning	4
Elective requirements (Choose two courses)		8
Total Credits		24

Minimum number of credits required: 24

Students will work with their Academic Advisor to determine the best set of courses to choose for their electives.

Certificate in Security Management with a Concentration in Information Security

Program Requirements

Code	Title	Credits
Concentration requirements		
SMGT 4200	Integrated Security Systems	4
SMGT 4250	Threats in Information Security	4

SMGT 4450	Legal & Ethical Issues in Security Management	4
SMGT 4500	Human Factors in Security	4
Elective requirements (Choose two courses)		8
Total Credits		24

Minimum number of credits required: 24

Students will work with their Academic Advisor to determine the best set of courses to choose for their electives.

Certificate in Security Management with a Concentration in Organizational Security Program Requirements

Code	Title	Credits
Concentration requirements		
SMGT 4150	Risk Management	4
SMGT 4300	Security Administration	4
SMGT 4400	Emergency Planning	4
SMGT 4500	Human Factors in Security	4
Elective requirements (Choose two courses)		8
Total Credits		24

Minimum number of credits required: 24

Students will work with their Academic Advisor to determine the best set of courses to choose for their electives.

specialized graduate certificate in organizational security

Code	Title	Credits
SMGT 4150	Risk Management	4
SMGT 4300	Security Administration	4
SMGT 4400	Emergency Planning	4
SMGT 4500	Human Factors in Security	4
Total Credits		16

SPECIALIZED GRADUATE CERTIFICATE IN information security

Code	Title	Credits
SMGT 4200	Integrated Security Systems	4
SMGT 4250	Threats in Information Security	4
SMGT 4450	Legal & Ethical Issues in Security Management	4
SMGT 4500	Human Factors in Security	4
Total Credits		16

SPECIALIZED GRADUATE CERTIFICATE IN emergency planning and response

Code	Title	Credits
SMGT 4400	Emergency Planning	4
SMGT 4210	Critical Incident Management	4
SMGT 4230	Mitigation for Emergency Managers	4
SMGT 4240	Emergency Incident Recovery	4
Total Credits		16

Courses

SMGT 4050 Security Concepts Overview (4 Credits)

This course provides an introduction to the main principles and issues in business and organizational security management. Topics include protection of, and assessing the loss potential of, personnel, facilities, and information, and continuity of operations. The course makes extensive use of case studies and analyses, field exercises and research.

SMGT 4100 Business Function of Security (4 Credits)

This course covers the role of security in an organization or business setting. The course will focus on how the security functions support the overall mission of the organization, and the relationship of security to other essential business functions. Topics include budgets, contracts, and presenting costs and benefits of security elements. Students will also learn how to justify the risks, benefits and expenses of security systems and security operations to high-level executives.

SMGT 4150 Risk Management (4 Credits)

This course will examine the concept of enterprise risk management as it applies to the corporate security setting by analyzing and assessing multiple area of corporate and public sector risk. Students will address real-world risks through a variety of case studies.

SMGT 4200 Integrated Security Systems (4 Credits)

This course covers the integration of physical, personnel, and information security, including the use of information technology to enhance physical and personnel security. Students will learn the essential elements of system design, development of procedures, testing and maintenance of integrated security systems. This will be accomplished through case studies and practical exercises.

SMGT 4210 Critical Incident Management (4 Credits)

This course will discuss the management concepts of a critical incident, whether it is the government response to a hurricane like Katrina or a corporate response to an internal emergency. The course follows the basic accepted tenets and structures of emergency response that connect all government agencies as well as private business. This course diverges from other Critical Incident Management courses in that it not only introduces the fundamentals of critical incident management but also challenges the student to look beyond accepted protocols and develop specific alternatives for their organization.

SMGT 4220 Hazardous and Radiological Material Preparedness (4 Credits)

This course introduces the student to the hazards and dangers of Hazardous and Radiological substances. The course is designed to introduce the hazards and the techniques of planning for emergency incidents involving these substances. This course follows the accepted emergency response guidelines and principles of FEMA. Students will learn the use of software and how to develop a hazardous materials operations plan.

SMGT 4230 Mitigation for Emergency Managers (4 Credits)

This course prepares students to meet the growing demand for emergency and disaster management planning through the mitigation phase of Emergency Management. Current practices are the result of a growing recognition that all levels of government, service organizations, and the private sector must become involved in collaborative mitigation of existing hazards in order to lessen the impacts of a full range of natural and human-caused disasters and their consequences. In this course, students will analyze the key factors that shape the planning environment and process. They will apply current policies, laws, and guidance to the development of a mitigation plan for a community, organization, or business. Although the development of a completed emergency/disaster plan requires the involvement of many stakeholders and is beyond the scope of this course, the draft mitigation document students will develop will provide students with the skills needed to effectively lead a disaster planning team.

SMGT 4240 Emergency Incident Recovery (4 Credits)

Assuring resiliency for any community or organization is of equal importance to the other phases of emergency management. This course addresses the final phase of emergency management: recovery. The course will address the many planning aspects of establishing a recovery plan. Students will formulate policies to aid in returning operations and life to normal following a disaster.

SMGT 4250 Threats in Information Security (4 Credits)

This course investigates emerging protection concepts for the information age. Students identify threats to security systems, discover vulnerabilities, and suggest and design protection systems. Topics include management of information security and data processing facilities, data theft, misuses of information technologies, computer viruses, hacking, and network protection. The course also covers information technology laws, privacy issues, and information security planning.

SMGT 4300 Security Administration (4 Credits)

This course will provide the theory and practical application of the administration of the security function within a business. Students will examine and recommend strategies for managing the security staff, communicating security related information to different audiences, building and maintaining a security team, identifying business risks, developing key performance indicators including budget, and evaluating the need for security-related hardware and software. This class examines a broad range of topics from organizational design to HR issues. Students will learn that not only must they ask the right questions, but they must ask them in the way that is appropriate for the subject matter and the circumstances.

SMGT 4350 Business Assets Protection (4 Credits)

Students examine the application of security knowledge and techniques to the protection of business assets. The security planning process is examined by the study of risk analysis, security surveys, and financial planning and decision making for development of security programs and countermeasures.

SMGT 4400 Emergency Planning (4 Credits)

The process of Emergency Management contains four very distinct phases with overlapping intricacies within each of the four. Emergency Planning is the first process that must be addressed by any organization when protecting life, property, or business continuity in response to an emergency or disaster. This course addresses the Planning phase of Emergency Management through the establishment of planning teams, threat assessments, hazard identification, and implementation of an overall Emergency Operations Plan.

SMGT 4450 Legal & Ethical Issues in Security Management (4 Credits)

This course examines ethical challenges and legal issues which security professionals in business and organizational security face in our global environment. Students will examine critical issues such as ethical principles, organizational values, ethics law, how to maintain the integrity of internal investigations, ethical and legal compliance; training programs, and examine aspects of legal responsibility, accountability, and liability related to security professionals and their organizations.

SMGT 4500 Human Factors in Security (4 Credits)

This course examines the challenges security professionals face in dealing with human factors in the course of protecting people, organizations, and information in our global environment. Students will examine and discuss critical contemporary issues such as effective leadership characteristics, workplace violence, insider threat, fraud, stalking, terrorism and other relevant topics as well as how to perform a risk analysis and conduct a workplace violence assessment audit.

SMGT 4550 Workplace Investigations (4 Credits)

Too often the Security Department is called upon to conduct an independent investigation for another business unit within the organization. This can include Compliance, HR, Employee Relations, Audit, IT, and others. While many of these investigations will be allegations of misconduct against individuals, they can also be business process reviews to determine root causes of business process failures. The Security Team is often tapped for these assignments because they are not only viewed as independent, but also as the most experienced in conducting interviews, writing investigative reports, and dealing with evidence. This class examines investigative techniques, documentation, and common pitfalls.

SMGT 4701 Topics in Security Management (1-6 Credits)

The content of this course varies each time it is offered. The topics may include time-sensitive issues from the film industry, elective courses that are not scheduled regularly during the course of the year, or advanced inquiry into core-course subjects. Each time the course is offered, the specific content is announced in the quarterly course schedule. Depending on the subject matter, students may be required to have completed prerequisite courses.

SMGT 4901 Capstone Project (4 Credits)

The Capstone Project provides students the opportunity to research a topic, problem, or issue within their field of study, and work individually with a Capstone advisor. Similar in weight to a thesis, but more flexible, this final project will synthesize and apply core concepts acquired from the program. The student will select an appropriate Capstone advisor who is knowledgeable in the field of study to work closely with and whom can guide the research project. Evaluation will be focused on the quality and professionalism of applied research and writing; critical and creative thinking; problem-solving skills; knowledge of research design, method, and implementation; and contribution to the field and topic of study. Please see the Capstone Guidelines for additional details. Prerequisites: A Capstone Proposal that has been approved by both the Capstone Advisor and the Academic Director, acceptance as a degree candidate, completion of at least 40 quarter-hours (including all core courses) with a cumulative GPA of 3.0 or better.

SMGT 4902 Capstone Seminar (4 Credits)

The purpose of the Capstone Seminar is to develop and apply transferable professional skills to persuade decision-makers. The course requires students to identify a question, problem, or issue in their field of study or profession to research in order to create a report that argues for an applied solution. Over the duration of the quarter, students will focus on the following: developing an argument in both written and oral format to support their solution through consideration of purpose, audience, and evidence; gathering and evaluating sources in their field or industry; the connection between discipline, style, and format; and their individual writing process.

SMGT 4910 Research Practices and Applications (4 Credits)

This course develops competencies including principles and practices of: academic inquiry, writing, and ethics. Students will complete Institutional Review Board (IRB) training, data collection, analysis, and evaluation; and synthesize application of peer-reviewed literature. Competencies will be applied and integrated throughout the course of study and demonstrated in the culminating work of the master's degree. Competencies are additionally developed for use in professional employment settings.

SMGT 4980 Internship (0-4 Credits)

The internship is designed to offer students a purposeful experience in a practical, industry related setting. The internship is an individualized learning experience and a training plan is created for each student in conjunction with the internship site to provide experiences related to the skills and knowledge covered in the certificate and master's programs.

SMGT 4991 Independent Study (1-8 Credits)

This is an advanced course for students wishing to pursue an independent study. The student must be accepted in a degree program, have earned a grade point average of 3.0 or better, obtained the approval of the department director, and have completed the Independent Study form and filed the form with all appropriate offices before registering for the independent study. Independent study is offered only on a for-credit basis.