

INFORMATION AND CYBERSECURITY MANAGEMENT, BS IN BUSINESS ADMINISTRATION

Introduction

Please click here (<https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcatalog.ucdenver.edu%2Fcu-denver%2Fundergraduate%2Fschoools-colleges-departments%2Fbusiness-school%2F&data=05%7C02%7CCHER.VO%40UCDENVER.EDU%7Cc8c5211a63114f8a346508dd568e142d%7C563337caa517421aaae01aa5b414fd7f%7C0%7C0%7C638761890401455988%7CUnknown%7CTWFPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUslYiOilwLjAuMDAwMCIsIAiOiJXaW4zMmRkFoljoiTWpbcIsIdUljofyQ%3D%3D%7C0%7C%7C%7C&sdata=%2B2GYgFzgeEsoLFky8sT0UYNrLMBdJ%2BvqchDq3z1eZWU%3D&reserved=0>) to see Business School information.

The Information and Cybersecurity Management program at the University of Colorado Denver prepares students to protect and manage digital assets in an increasingly complex threat landscape. This program equips students with the practical skills and analytical foundation necessary to become cybersecurity experts who can identify vulnerabilities, implement protective measures, and foster a culture of security resilience.

An Information and Cybersecurity Management (ICBM) major combines technical expertise with strategic business acumen, requiring innovative thinking at the intersection of information technology, security frameworks, and organizational needs. Students learn how to leverage cutting-edge technologies while strategically prioritizing data privacy, security, and compliance to enable secure innovation and protect organizational assets. Courses feature extensive hands-on projects, teamwork, and use of advanced security technologies. By developing both technical proficiency and broad-based business process knowledge, our graduates are ideally positioned to take leading roles in shaping the security landscape of employers throughout the Rocky Mountain region and beyond.

Undergraduate Options

The Business School at the University of Colorado Denver offers a bachelor of science in business administration where you may choose Information and Cybersecurity Management as your primary core specialty:

- Information and Cybersecurity Management, Bachelor of Science in Business Administration degree

Career Opportunities

Careers in cybersecurity continue to experience unprecedented growth across all business sectors. A student completing the Information and Cybersecurity Management program curriculum will be prepared for challenging careers as a security analyst, cybersecurity consultant, compliance specialist, security operations manager, threat intelligence analyst, and information security officer. Employment possibilities include financial services, healthcare, government agencies, consulting

firms, critical infrastructure, technology companies, and virtually any organization with digital assets to protect.

Information security is now fundamental to all business operations, and a thorough understanding of cybersecurity's role in business and in the global economy is essential for every business professional. The Information and Cybersecurity Management major focuses on the effective implementation of security measures and governance frameworks. You will develop technical security skills, business acumen, and strategic insights required for the assessment, implementation, and management of security resources and services, including the development, operation, and evolution of secure infrastructure for use across all business functions.

Program Delivery

- This is an on-campus or online program.

Declaring This Major

- Click here (<https://nam02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcatalog.ucdenver.edu%2Fcu-denver%2Fundergraduate%2Fschoools-colleges-departments%2Fbusiness-school%2F%23policies&data=05%7C02%7CCHER.VO%40UCDENVER.EDU%7Cc8c5211a63114f8a346508dd568e142d%7C563337caa517421aaae01aa5b414fd7f%7C0%7C0%7C638761890401474595%7CUnknown%7CTWFPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUslYiOilwLjAuMDAwMCIsIAiOiJXaW4zMmRkFoljoiTWpbcIsIdUljofyQ%3D%3D%7C0%7C%7C%7C&sdata=J4G8W6wlvz%2FskdvHNa7TLcQMCP8DcDqo8LUjXPWzIPi%3D&reserved=0>) to go to information about declaring a major.

Program Requirements

The courses emphasize both team and individual work, allowing students to gain critical thinking skills, knowledge and experience to analyze, design, program, implement and use information.

Code	Title	Hours
ISMG 3500	Business Data and Database Management	3
ISMG 4300	Information Systems Security and Privacy	3
ISMG 4400	Programming Fundamentals with Python	3
ISMG 4700	IT Infrastructure	3
ISMG 4720	Enterprise Security	3
ISMG 4860	Ethical Hacking Concepts and Methodologies	3
ISMG 4865	Digital Forensics Analysis	3
Total Hours		21

Notes

Not all Information Systems courses are offered every semester - so please make sure to contact advising to plan ahead.

Students also have the opportunity to continue their education with an MS in Information Systems. The ISMG 4+1 program allows students to potentially complete the BS and MS degrees in as little as five years through substituting two graduate courses for two undergraduate courses. The graduate courses count towards both the BS and MS degrees.

If you are considering this 4+1 program, make sure to contact your advisor immediately so that you can appropriately plan your coursework. You can do this by emailing undergrad.advising@ucdenver.edu.