

Information and Cybersecurity Management

Bachelor of Science in Business Administration

Catalog Year 2026-2027

PROGRAM OVERVIEW

Our Information and Cybersecurity Management program empowers you with the practical skills and analytical foundation to become a cybersecurity expert. Through our comprehensive curriculum, you'll gain expertise in leveraging cutting-edge information technologies while strategically prioritizing data privacy, security, and compliance. Emerge as a versatile information security professional adept at fortifying digital defenses and cultivating a secure, resilient organizational culture..

ACADEMIC ADVISING

It is recommended that students meet with an advisor regarding their individualized degree plan at least once per year.

Business School Advising

undergrad.advising@ucdenver.edu , <https://business.ucdenver.edu/current-students/undergraduate-advising>

Business School Building, floor 4, 303-315-8110

GENERAL GRADUATION REQUIREMENTS & POLICIES

All CU Denver Business students are required to complete the following minimum general graduation requirements:

1. Complete a minimum of 120 applicable course hours.
2. Achieve a minimum 2.0 CU cumulative grade point average (GPA) and business GPA.
3. Complete a minimum of 45 upper division (3000/4000 level) credits.
4. Complete a minimum of 30 CU Denver business course hours in good standing.

COURSE SCHEDULE & DELIVERY MODES

CU Denver offers courses in both in person (IP) and online (OL) delivery modes. Students may complete this degree either entirely in person OR entirely online. Students that need to take classes either online or in person will need to pay attention to when courses are offered in the format needed. Below are the required classes for this major and when they are generally offered in person and online. Students will need to choose core classes and electives that meet their individual needs: **COURSE SCHEDULES ARE SUBJECT TO CHANGE!**

	When	Fall	Spring	Summer
Core Classes				
ENGL 1020	Semester 1	IP & OL	IP & OL	IP & OL
ENGL 2030	Semester 2	IP & OL	IP & OL	IP & OL
MATH 1060 Finite Math	Semester 1	IP & OL	IP & OL	OL
Social Sciences: ECON 2012	Semester 3	IP & OL	IP & OL	IP & OL
Graduation Requirements for Business				
UNIV 1110 College Success	Semester 1	IP & OL	IP & OL	-
COMM 2050 Business and Professional Speaking	Semester 2	IP & OL	IP & OL	OL
ECON 2022 Principles of Economics: Microeconomics	Semester 4	IP & OL	IP & OL	IP & OL
ENGL 3170 Business Writing	Semester 4	IP & OL	IP & OL	OL
ISMG/MGMT 4900 Project Management and Practice	Semester 7 or 8	IP & OL	IP & OL	Either IP or OL
Business Core:				
BUSN 2110+BUSN 3110	Semesters 2 & 3	IP & OL	IP & OL	-
ISMG 2050 Introduction to Business Problem Solving	Semester 2	IP & OL	IP & OL	OL
BANA 2010 Business Statistics	Semester 3	IP & OL	IP & OL	IP & OL
ACCT 2200 Financial Accounting & Financial Statement Analysis	Semester 3	IP & OL	IP & OL	Either IP or OL
ACCT 2220 Managerial Accounting and Professional Issues	Semester 4	IP & OL	IP & OL	OL
BLAW 3050 Business Law and Ethics	Semester 6	IP & OL	IP & OL	OL
BANA 3000 Operations Management	Semester 7	IP & OL	IP & OL	IP & OL
FNCE 3000 Principles of Finance	Semester 6	IP & OL	IP & OL	OL
ISMG 3000 Technology in Business	Semester 5	IP & OL	IP & OL	OL
MGMT 3000 Managing Individuals and Teams	Semester 5	IP & OL	IP & OL	OL
MKTG 3000 Principles of Marketing	Semester 5	IP & OL	IP & OL	OL
MGMT 4500 Business Policy and Strategic Management	Semester 8	IP & OL	IP & OL	OL (May)
Information Systems Required Classes				
ISMG 3500 Business Data & Database Management	Semester 5 or 6	IP	OL	-
ISMG 4300 Information Security & Privacy	Semester 6 or 7	OL	IP	-
ISMG 4400 Python Programming Fund.	Semester 6 or 7	IP	OL	-
ISMG 4700 IT Infrastructure	Sem 7 or Summer	IP		OL
ISMG 4720 Enterprise Security (NEW COURSE)	Semester 6 or 7		OL	-
ISMG 4860 Ethical Hacking Concepts & Methodologies	Semester 7 or 8	IP & OL	-	-
ISMG 4865 Digital Forensics Analysis	Semester 7 or 8	-	IP & OL	-

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SAMPLE ACADEMIC PLAN OF STUDY

The following academic plan is a **sample** pathway to completing degree requirements. This schedule can be adjusted to accommodate AP, IB, and/or CLEP credits, as well as courses taken during the summer sessions. Students should tailor this plan based on transfer credit, course availability, and individual preferences related to course load, schedules, and add-on programs such as minors or double majors. Students must complete an experiential learning credit (internship, study abroad program, or project-based course) and a capstone course taken in their final semester. **This plan assumes that the foreign language graduation requirement has been completed with high school courses or proficiency exam.**

Semester 1	Credits
ENGL 1020 Core Composition I	3
MATH 1060 Finite Math	3
Arts, Humanities, OR Behavioral Science	3
Arts, Humanities, OR Behavioral Science	3
UNIV 1110 College Success	1
TOTAL SEMESTER HOURS	13

Semester 2	Credits
ISMG 2050 Intro to Business Problem Solving	3
ENGL 2030 Core Composition II	3
COMM 2050 Business and Professional Speaking	3
Natural and Physical Sciences	3
Arts, Humanities, OR Behavioral Science	3
BUSN 2110 Cultivating Emotional Intelligence	1
TOTAL SEMESTER HOURS	16

Semester 3	Credits
ACCT 2200 Financial Accounting and Financial Statement	3
BANA 2010 Business Statistics	3
Social Sciences: ECON 2012 Macroeconomics	3
ENGL 3170 Business Writing	3
General Elective (or Regional Expertise/ Language)	3
BUSN 3110 Career & Professional Development	1
TOTAL SEMESTER HOURS	16

Semester 4	Credits
ACCT 2220 Managerial Accounting and Professional Issues	3
ECON 2022 Microeconomics	3
Natural and Physical Sciences with a Lab	4
General Elective (or Regional Expertise/ Language)	3
General Elective (or Regional Expertise)	3
TOTAL SEMESTER HOURS	16

Semester 5	Credits
ISMG 3500 Business Data & Database Mgmt. (or 4300)	3
ISMG 4700 IT Infrastructure (OL in summer)	3
BANA 3000 Operations Management	3
ISMG 3000 Technology in Business	3
MGMT 3000 Managing Individuals and Teams	3
TOTAL SEMESTER HOURS	15

Semester 6	Credits
ISMG 4300 Information Security & Privacy (or 3500)	3
BLAW 3050 Business Law and Ethics	3
FNCE 3000 Principles of Finance	3
MKTG 3000 Principles of Marketing	3
General Elective	3
TOTAL SEMESTER HOURS	15

Semester 7	Credits
ISMG 4400 Python Programming Fund. (or Exp Learn)	3
ISMG 4860 Ethical Hacking Concepts & Methodologies	3
Cultural Diversity (or ISMG 4720)	3
International Studies	3
International Perspectives	3
TOTAL SEMESTER HOURS	15

Semester 8	Credits
Experiential Learning (or ISMG 4400)	3
ISMG 4865 Digital Forensics Analysis	3
ISMG 4720 Enterprise Security (or Cultural Diversity)	3
MGMT 4500 Business Policy and Strategic Management	3
General Elective	2
TOTAL SEMESTER HOURS	14

Information Systems

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DEGREE REQUIREMENTS

Courses	Credits	Prerequisites	Term	Credits	Grade
*Students are responsible for consulting advisors for current prerequisite and scheduling information as they change regularly					
Required CU Denver Core Curriculum Coursework	34				
ENGL 1020	3				
ENGL 2030	3	ENGL 1020			
MATH 1060 Finite Math	3				
Arts	3				
Humanities	3				
Behavioral Sciences	3				
Social Sciences: ECON 2012	3				
Natural and Physical Sciences with lab	4				
Natural and Physical science	3				
Cultural Diversity	3	Junior Standing - BUSN/MGMT 4100 recommended	F24		
International Perspectives	3	INTB 4400 or MKTG4200 recommended			
Graduation Requirements for Business	13				
UNIV 1110 College Success	1	Only required for entering first term freshmen			
COMM 2050 Business and Professional Speaking	3				
ECON 2022 Principles of Economics: Microeconomics	3				
ENGL 3170 Business Writing	3	Sophomore standing			
Experiential Learning	3	(ISMG 4900 or Internship)	F24		
Business Core	35				
BUSN 2110+BUSN 3110	2	1 credit each	S23	F23	
ISMG 2050 Introduction to Business Problem Solving	3		sU24		
BANA 2010 Business Statistics	3	MATH 1060 with C- or better	X		
ACCT 2200 Financial Acct and Statement Analysis	3	MATH 1060 with C- or better	X		
ACCT 2220 Managerial Acct & Professional Issues	3	ACCT 2200 with C- or better	X		
BLAW 3050 Business Law and Ethics	3	45 + credits complete	X		
BANA 3000 Operations Management	3	ACCT 2200, BANA 2010 with C- or better & 45 + credits	S24		
FNCE 3000 Principles of Finance	3	MATH 1060, ACCT 2200, BANA 2010 with C- or better, ECON 2012, ECON 2022 & 45 + credits complete	S25		
MGMT 3000 Managing Individuals and Teams	3	45 + credits complete	S24		
MKTG 3000 Principles of Marketing	3	45 + credits complete	F23		
ISMG 3000 Technology in Business	3	BANA 2010, COMM 2050 with C- or better & 45+ credits	F23		
MGMT 4500 Business Policy and Strategic Management	3	All Business Core with C- or better			
International Studies	3				
ACCT 4370, MKTG/INTB 4200, FNCE/INTB 4370, MGMT/INTB 4400, RISK 4509	3	Choose one (can double count with International Perspectives Core)	F24		
Major: Information Systems	21				
ISMG 3500 Business Data & Database Management	3	ISMG 2050 with C- or better	S24		
ISMG 4300 Information Security & Privacy	3	Junior Standing, Coreq: ISMG 3000	S25		
ISMG 4400 Python Programming Fund.	3	ISMG 2050, Coreq: ISMG 3500			
ISMG 4700 IT Infrastructure	3	Junior Standing			
ISMG 4720 Enterprise Security (NEW COURSE)	3	ISMG 4300 and ISMG 4700			
ISMG 4860 Ethical Hacking Concepts & Methodologies	3				
ISMG 4865 Digital Forensics Analysis	3		S25		
Language Proficiency Level 1 and 2 or Regional Expertise	10*	*If proficiency is met, student is responsible for completing 10 additional electives	F24		
Other Courses-Electives	4	*14 if language proficiency is met			
Total Credit Hours: 120					

* ISMG Electives may be from an ISMG Specialization, from a Business School Minor (ENTP, BANA, FNCE, RISK) or be any ISMG elective class.