Business School
UNIVERSITY OF COLORADO DENVER

Information Systems

Bachelor of Science in Business Administration
Catalog Year 2026-2027

Program Overview

The Information Systems (IS) program equips students with the practical and analytical skillsets required to manage businesses using information technologies. We help students build an adaptable knowledge base for their continued career advancement by gaining deeper understanding of the capabilities of rapidly advancing information technologies. Upon completion of our IS program, students will understand how to innovate organizational practices by acquiring, developing, deploying and managing information technologies in an organization.

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. Residency: 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:

	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
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 Stmt 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
Information Systems Required Classes				
ISMG 2800 Designing for the Web	Semester 3 or 4	IP	OL	-
ISMG 3500 Business Data & Database Management	Semester 5 or 6	IP	OL	-
ISMG 3600 System Strategy, Architecture and Design	Semester 5 or 6	OL	IP	-
ISMG 4300 Information Security & Privacy	Semester 6 or 7	OL	IP	-
ISMG 4400 Python Programming Fund.	Semester 6 or 7	IP	OL	-
ISMG/MGMT 4900 Project Management and Practice	Semester 7 or 8	IP & OL	IP & OL	Either IP or 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.**

Year One

Semester 1	CRS
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	CRS
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

Year Two

Semester 3	CRS
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/ Foreign Lang)*	3
BUSN 3110 Career & Professional Development	1
TOTAL SEMESTER HOURS	16

Semester 4	CRS
ACCT 2220 Managerial Accounting and Professional Issues	3
ECON 2022 Principles of Economics: Microeconomics	3
Natural and Physical Sciences with a Lab	4
General Elective *(or Regional Expertise/ Foreign Lang)*	3
ISMG 2800 Designing for the Web	3
TOTAL SEMESTER HOURS	16

Year Three

Semester 5	CRS
ISMG 3500 Business Data & Database Mgmt. (or 3600)*	3
BANA 3000 Operations Management	3
ISMG 3000 Technology in Business	3
MGMT 3000 Managing Individuals and Teams	3
General Elective (or Regional Expertise)	3
TOTAL SEMESTER HOURS	15

Semester 6	CRS
ISMG 3600 System Strategy, Arch. And Design (or 3500)	3
ISMG 4300 Information Security & Privacy (or 4400)	3
BLAW 3050 Business Law and Ethics	3
FNCE 3000 Principles of Finance	3
MKTG 3000 Principles of Marketing	3
TOTAL SEMESTER HOURS	15

Year Four

Semester 7	CRS
ISMG 4400 Python Programming Fund. (or 4300)	3
Specialization/Minor Course or ISMG Elective	3
Cultural Diversity	3
International Studies	3
General Elective	3
TOTAL SEMESTER HOURS	15

Semester 8	CRS
ISMG/MGMT 4900 Project Management and Practice	3
Specialization/Minor Course or ISMG Elective	3
MGMT 4500 Business Policy and Strategic Management	3
International Perspectives	3
General Elective	2
TOTAL SEMESTER HOURS	14

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DEGREE REQUIREMENTS

Courses	Credits	Prerequisites	Term	Hours	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 (BUSN/MGMT 4100 recommended)	3	Junior standing			
International Perspectives (INTB 4400/4200 recommend)	3				
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: ISMG 4900 Required	3				
Business Core	**35**				
BUSN 2110+BUSN 3110	2	1 credit each			
ISMG 2050 Introduction to Business Problem Solving	3				
BANA 2010 Business Statistics	3	MATH 1060, Sophomore standing			
ACCT 2200 Financial Accounting and Financial Statement Analysis	3	MATH 1060, Sophomore standing			
ACCT 2220 Managerial Accounting & Professional Issues	3	MATH 1060, ACCT 2200, Sophomore standing			
BLAW 3050 Business Law and Ethics	3	Junior Standing			
BANA 3000 Operations Management	3	MATH 1060, ACCT 2200, BANA 2010, Junior Standing			
FNCE 3000 Principles of Finance	3	MATH 1060, ACCT 2200, BANA 2010, ECON 2012, ECON 2022, Junior Standing			
MGMT 3000 Managing Individuals and Teams	3	Junior Standing			
MKTG 3000 Principles of Marketing	3	Junior Standing, Coreq COMM 2050			
ISMG 3000 Technology in Business	3	Junior Standing			
MGMT 4500 Business Policy and Strategic Management	3	All Business Core with C or C- or better – see catalog			
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)			
Major: Information Systems	**21**				
ISMG 2800 Designing for the Web	3	ISMG 2050			
ISMG 3500 Business Data & Database Management	3	ISMG 2050			
ISMG 3600 System Strategy, Architecture and Design	3	ISMG 2050			
ISMG 4300 Information Security & Privacy	3	Coreq: ISMG 3000			
ISMG 4400 Python Programming Fund.	3	ISMG 2050, Coreq: ISMG 3500			
Specialization/Minor Course, ISMG Elect or Internship*	3				
Specialization/Minor Course or ISMG Elective*	3				
Foreign Language Proficiency Level 1 and 2 or Regional Expertise	**10**	If proficiency is met, student is responsible for completing 10 additional electives			
Other Courses-Electives	**4**				
		Total Credit Hours: 120			

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

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