

# INFORMATION SYSTEMS, BS IN BUSINESS ADMINISTRATION

## Introduction

Please click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/business-school/>) to see Business School information.

The information systems program at the University of Colorado Denver is a nationally accredited program for students who want to design and implement effective solutions to meet organizational and management needs for information, control and decision making.

An information systems (ISMG) major draws on a diverse set of skills and strengths requiring creative and innovative thinking at the intersections of disciplinary knowledge and practice. Information systems students learn how information technology, effective teamwork and leadership and sound project management combine to enable innovation and change, to improve organizational agility and to add competitive value. Courses require extensive hands-on projects, teamwork, and use of high-end technology. A combination of technical skills gained in class work with broad-based business process knowledge enables our graduates to be ideally situated to take leading roles in shaping the technology-based future of employers in the Rocky Mountain region and the nation.

**Specializations available in Accounting, Finance, Human Resource Management, Management and Marketing**

## Undergraduate Options

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

- Information Systems, Bachelor of Science in Business Administration degree

Or you may choose to add an information systems specialization to another business discipline:

- Accounting with an Information Systems specialization
- Financial Management with an Information Systems specialization
- Management with an Information Systems specialization
- Marketing with an Information Systems specialization

## Career Opportunities

Careers in information systems continue to be one of the highest growth markets in the business world. A student completing the information systems program curriculum will be prepared for challenging careers as a business analyst, database analyst, Web content manager, project manager, IT consultant, and information auditing and compliance specialist. Employment possibilities include financial operations, health care, management consulting, service operations, transportation, and logistics and government.

Information systems are becoming the foundation of all business activities, and a solid understanding of the role of information systems in business and in the national and global economy is now critical for every business student. The information systems major focuses on the

effective use of information technology in business. You are equipped with logical and analytical thinking in all areas of business and a strong basis for continued career growth in a variety of growing professions. You will develop the technical skills, business know-how and administrative insights required for acquisition, deployment and management of IT resources and services development, operation and evolution of IS infrastructure for use in accounting, finance, marketing, management and other business processes.

## Program Delivery

- This is an on-campus or online program (Note: not all specializations are available online).

## Declaring This Major

- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/records-registration/registration/declare-change-major-minor/>) to go to information about declaring a major.

## General Requirements

To earn a degree, students must satisfy all requirements in each of the areas below, in addition to their individual major requirements.

- CU Denver General Graduation Requirements (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation/general-graduation-requirements/>)
- CU Denver Core Curriculum (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation-undergraduate-core-requirements/>)
- Business School Graduation Requirements (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/business-school/#graduationrequirements>)
- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/academic-policies-procedures/>) for information about Academic Policies

## 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 2800	Designing for the Web	3
ISMG 3500	Enterprise Data and Content Management	3
ISMG 3600	System Strategy, Architecture and Design	3
ISMG 4400	Programming Fundamentals with Python	3
ISMG 4700	Business Data Communications and Networking	3
ISMG 4900	Project Management and Practice <sup>1</sup>	3
	Select two upper division ISMG electives or, if following a specialization, select 2 courses from one of the specializations:	6
	Accounting Specialization (p. 2)	
	Finance Specialization (p. 2)	
	Human Resource Management Specialization (p. 2)	
	Management Specialization (p. 2)	
	Marketing Specialization (p. 2)	
Total Hours		24

<sup>1</sup> Also fulfills BGEN Experiential Learning requirement

## Accounting Specialization

Code	Title	Hours
Select two of the following:		6
ACCT 3220	Intermediate Financial Accounting I	
ACCT 3230	Intermediate Financial Accounting II	
ACCT 4054	Accounting Information Systems	

If you are considering this 4+1 program, contact your advisor immediately so that you can appropriately plan your coursework. Email [undergrad.advising@ucdenver.edu](mailto:undergrad.advising@ucdenver.edu)

To review the Degree Map for this program, please visit our website (<https://www.ucdenver.edu/student/advising/undergraduate/degree-maps/business-school/>).

## Finance Specialization

Code	Title	Hours
Select two of the following:		6
FNCE 3500	Management of Business Capital	
FNCE 3600	Financial Markets and Institutions	
FNCE 3700	Investment and Portfolio Management	
FNCE 4750	Business Intelligence and Financial Modeling <sup>1</sup>	

<sup>1</sup> FNCE 4480 Introduction to Financial Modeling may be taken as a substitute for FNCE 4750.

## Human Resource Management Specialization

Code	Title	Hours
Select two of the following:		6
MGMT 3010	Managing People for a Competitive Advantage	
MGMT 4420	HR: Talent MGT	
MGMT 4430	Human Resources Management: Training	
MGMT 4440	Human Resource Management: Performance Management	
MGMT 4450	Human Resources Management: Compensation	

## Management Specialization

Code	Title	Hours
Select two of the following:		6
MGMT 4350	Leading Organizational Change	
MGMT 4370	Organization Design	
MGMT 4400	Environments of International Business	

## Marketing Specialization

Code	Title	Hours
Select two of the following:		6
MKTG 3100	Marketing Research	
MKTG 3200	Consumer Behavior	
MKTG 4050	Applied Marketing Management	
MKTG 4760	Customer Relationship Management	

## Notes

Not all Information Systems courses are offered every semester - so 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.