

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. 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 |
| 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 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 | OL |
| ISMG Electives | Semester 7 or 8 | IP & OL | IP & OL | OL |

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 | | 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 with a Lab | | 4 |
| Arts, Humanities, OR Behavioral Science | | 3 |
| TOTAL SEMESTER HOURS | | 16 |

| Year Two | 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 2110 Cultivating Emotional Intelligence | | 1 | |
| TOTAL SEMESTER HOURS | | 16 | |

| Semester 4 | | Credits |
|---|--|-----------|
| ACCT 2220 Managerial Accounting and Professional Issues | | 3 |
| ECON 2022 Principles of Economics: Microeconomics | | 3 |
| Natural and Physical Sciences | | 3 |
| General Elective (or Regional Expertise/ Language) | | 3 |
| General Elective (or Regional Expertise) | | 3 |
| BUSN 3110 Career & Professional Development | | 1 |
| TOTAL SEMESTER HOURS | | 16 |

| Year Three | Semester 5 | | Credits |
|-----------------------------|--|-----------|---------|
| | 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 |
| | International Perspectives | | 3 |
| TOTAL SEMESTER HOURS | | 15 | |

| Semester 6 | | Credits |
|---|--|-----------|
| 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 | | Credits |
|-----------------------------|--|-----------|---------|
| | ISMG 4400 Python Programming Fund. (or 4300) | | 3 |
| | Specialization or ISMG Elective | | 3 |
| | Specialization or ISMG Elective | | 3 |
| | International Studies | | 3 |
| | General Elective | | 3 |
| TOTAL SEMESTER HOURS | | 15 | |

| Semester 8 | | Credits |
|--|--|-----------|
| ISMG/MGMT 4900 Project Management and Practice | | 3 |
| MGMT 4500 Business Policy and Strategic Management | | 3 |
| Cultural Diversity | | 3 |
| General Elective | | 3 |
| General Elective | | 2 |
| TOTAL SEMESTER HOURS | | 14 |

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 | | | |
| International Perspectives | 3 | INTB 3000, 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 | | | | |
| 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 with C- or better | | | |
| ACCT 2200 Financial Acct and Statement Analysis | 3 | MATH 1060 with C- or better | | | |
| ACCT 2220 Managerial Acct & Professional Issues | 3 | ACCT 2200 with C- or better | | | |
| BLAW 3050 Business Law and Ethics | 3 | 45 + credits complete | | | |
| BANA 3000 Operations Management | 3 | ACCT 2200, BANA 2010 with C- or better & 45 + credits | | | |
| FNCE 3000 Principles of Finance | 3 | MATH 1060, ACCT 2200, BANA 2010 with C- or better, ECON 2012, ECON 2022 & 45 + credits complete | | | |
| MGMT 3000 Managing Individuals and Teams | 3 | 45 + credits complete | | | |
| MKTG 3000 Principles of Marketing | 3 | 45 + credits complete | | | |
| ISMG 3000 Technology in Business | 3 | BANA 2010, COMM 2050 with C- or better & 45+ credits | | | |
| 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 | | | |
| Major: Information Systems | 21 | | | | |
| ISMG 3500 Business Data & Database Management | 3 | ISMG 2050 with C- or better | | | |
| ISMG 3600 System Strategy, Architecture and Design | 3 | ISMG 2050 with C- or better | | | |
| ISMG 4300 Information Security & Privacy | 3 | Junior Standing, Coreq: ISMG 3000 | | | |
| ISMG 4400 Python Programming Fund. | 3 | ISMG 2050, Coreq: ISMG 3500 | | | |
| ISMG/MGMT 4900 Project Management and Practice | 3 | (can count for Experiential Learning), Junior Standing | | | |
| Specialization or ISMG Elective | 3 | | | | |
| Specialization or ISMG Elective | 3 | | | | |
| 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 | 14 if language proficiency is met | | | |
| Total Credit Hours: 120 | | | | | |