

MS in Information Systems

(30 credit hours)

Name: _____ Student Number: _____

Graduate Business School Policies:

- A grade of “C” or higher is passing and required for all coursework. Cumulative GPA must be 3.0 or higher to graduate.
- Prerequisite (“prereq”) = must be completed prior to boldface course.
Corequisite (“coreq”) = must be completed prior to or during same semester as boldface course.
- CMDT/ENTP/GEMM/RISK courses may charge different tuition rates. These courses are not eligible for the CU Employee Tuition Assistance Benefit (TAB).
- Track your progress with the online Degree Audit tool. For questions about your degree plan or for other program assistance, please call 303-315-8110 or email grad.advising@ucdenver.edu.

Information Systems Core (9 credit hours)

1. **ISMG 6080** Database Management Systems _____
2. **ISMG 6180** Artificial Intelligence and Information Systems Strategy _____
3. **ISMG 6430** Information Systems Security and Privacy _____

Information Systems Electives or Specializations (15 credit hours)

Students must complete one of the options below. Requirements for these options can be found on page 2 of this degree plan. Please note that specializations appear on the transcript but not the diploma.

- General Degree (no specialization)
- AI Leadership and Management specialization (ALM)
- Business Intelligence and AI specialization (BIA)

4. _____
5. _____
6. _____
7. _____
8. _____

Information Systems Electives (6 credit hours)

- Any **ISMG** course numbered 5000 or higher, or any other Business School course numbered 6000 or higher with a prefix of **ACCT, BANA, CMDT, ENTP, FNCE, GEMM, INTB, ISMG, MGMT, MKTG, RISK or SUSB**.
 - Many ISMG 5000 courses are 1 credit. Three of these may substitute for one 3-credit ISMG course.
- Electives can also be fulfilled with any graduate-level **CSCI** or **CVEN** course in the College of Engineering, Design and Computing. Contact computerscience@ucdenver.edu or civilengineering@ucdenver.edu for information about course offerings.

9. _____
10. _____

MS in Information Systems Degree Options and Specializations

Graduate Business School Policies:

- Students are responsible for knowing and meeting course prerequisites. Please see the course description in UCDAccess or the University catalog for prerequisite information. If you would like to petition to waive a prerequisite based on prior coursework, consult a graduate business advisor.
- Once the degree is completed, a declared specialization will appear on the transcript but not the diploma.
- Contact a graduate business advisor at grad.advising@ucdenver.edu with any questions, or to declare or change a specialization.

General Degree (no specialization)

Complete 2 of the following:

- **ISMG 6020** Python for Data-Driven Applications
- **ISMG 6120** Network Design and Analysis
- **ISMG 6220** Business Intelligence, Machine Learning, and AI
- **ISMG 6450** IT Project Management or **BANA 6650** Project Management
- **ISMG 6830** AI Governance

Complete 3 additional **ISMG** electives numbered 5000 or higher (9 credit hours).

AI Leadership and Management Specialization (ALM)

Complete 1 of the following:

- **ISMG 6060** Designing Intelligent Systems: Analysis and Modeling for the AI Age
- **ISMG 6220** Business Intelligence, Machine Learning, and AI

Complete 4 of the following:

- **ISMG 6130** Ethical Leadership in AI and Emerging Technologies
- **ISMG 6810** Integration of AI and Business Intelligence in Healthcare
- **ISMG 6830** AI Governance
- **ISMG 6835** Managing the AI Lifecycle
- **BANA 6780** AI for Business
- **ENTP 6300** AI-Driven Entrepreneurship

Business Intelligence and AI Specialization (BIA)

Required course:

- **ISMG 6220** Business Intelligence, Machine Learning, and AI

Complete 4 of the following:

- **ISMG 6470** Text Data Analytics
- **ISMG 6480** Data Warehouse and Administration
- **ISMG 6810** Integration of AI and Business Intelligence in Healthcare
- **ISMG 6820** Financial Data and Business Intelligence
- **ACCT 6510** Data Analytics and AI for Accountants
- **BUSN 6530** Data Analytics for Managers or **BANA 6610** Statistics for Business Analytics