

1 st Semester - First Year		2 nd Semester - First Year	
ENG 1010 MTH 1310 COMM 1010 or COMM 1100 BUS 1850 _____	Freshman Comp: Composing Arguments Finite Math for Mgmt & Soc Science Presentational Speaking or Fund. of Oral Communication Intro to Business Natural & Physical Science	ENG 1020 MTH 1320 CIS 1010* BUS 1950 _____	Freshman Comp: Analysis, Research & Doc. Calculus for Mgmt & Soc Science Intro to Computers (*or gen elect if 75+ on CIS Placement Test) Business Communication Arts and Humanities
1 st Semester - Second Year		2 nd Semester - Second Year	
_____ ECO 2010 ACC 2010 CIS 2010 MGT 2210	Natural & Physical Science Principles of Economics - Macro Principles of Accounting I Foundations of Information Systems Legal Environment of Business I	ECO 2020 ACC 2020 CIS 2110 _____ HIS _____	Principles of Economics - Micro Principles of Accounting II Structured Problem Solving in Information Systems Arts and Humanities Historical Studies Elective
1 st Semester - Third Year		2 nd Semester - Third Year	
CIS 3300 CIS 2500 CIS 3230 MGT 3000 BUS 3040	Business Analytics I Security Essentials Telecommunication Systems and Networking Organizational Management Global Corporate Social Responsibility & Sustainability	CIS 3320 FIN 3300 MKT 3000 CIS 3060 CIS 3350	Business Analytics II Managerial Finance Principles of Marketing Database Management Systems Knowledge Discovery and Data Mining
1 st Semester - Fourth Year		2 nd Semester - Fourth Year	
CIS 3145 CIS 3460 MKT 3010 _____ _____	Business Application Development Data Warehousing and Mining Marketing Research Elective Elective	MGT 4950 CIS 4060 CIS 4370 _____ _____	Strategic Management Advanced Database Management Systems Data Science and Big Data Analytics Elective Elective

Note: General elective credits may vary. Total general electives must be sufficient for the student to meet the required University minimum of 120 credit hours. These hours may be used to meet requirements for a minor or a concentration. As per University policy, no more than 16 semester hours in human performance and sport activities (HPL), 4 semester hours of varsity sports (ATH), and no more than 7 semester hours in music ensemble courses will be counted toward the degree.

MULTICULTURAL/GLOBAL DIVERSITY REQUIREMENTS: The University's multicultural and global diversity requirements must be satisfied by taking an approved course listed in the *University Catalog*.

MINORS FOR BUSINESS MAJORS: Majors in the College of Business are NOT required to complete a minor at MSU Denver. Please see an advisor if you have questions about requirements involved with taking a minor.

SUGGESTED BI CAREER ROADMAP

First Year (0-29 Credits - EXPLORE)

- Meet with a Career Counselor at Career Services (Tivoli 215)
- Take a Career Test & Attend a Career GPS workshop

Second Year (30-59 Credits – EXPLORE)

- Complete your Roadrunner Roadmap Form (available at MSUDenver.edu/career)
- Research occupations, attend Employer Panels, learn to write a resume/post on JobLink
- Meet with the College of Business Career Advisor

Third Year (60-89 Credits – EXPERIENCE)

- Review your Skills Checklist, practice interviewing & join our AITP student chapter
- Participate in research, study abroad, service learning, or an internship through the Applied Learning Center

Fourth Year (90-120 Credits – EXECUTE)

- Update your profiles on JobLink and LinkedIn; attend career fairs
- Develop a job search strategy, connect with employers & apply for positions

Business Intelligence, B.S.

Catalog 20-21

303-615-0660 Admin 590

Please note: Prerequisites for courses on this sheet may change. Prior to registering for a course you must have completed the prerequisites currently enforced for that course. Please check the online catalog prior to registering each semester.

This sheet applies to the 2020-2021 Catalog *only*. Students with a declared major in Business Intelligence should work with an advisor in the College of Business or the department on course selection and sequencing to ensure timely graduation.

General Studies	34	Students who have reached junior standing
Business core	36	(60 hrs) should request a Degree Progress
Additional College of Business requirements	6	Report and review it with a faculty advisor in
Major courses	24	the Department of Computer Information
General Electives	20	Systems and Business Analytics.
Total to graduate (min. 40 hrs upper division)	120 min	

GENERAL STUDIES

Written Communication (WC)

— -3 (typically ENG 1010)

— -3 (typically ENG 1020)

Oral Communication (OC)

— COMM 1010-3 Presentational Speaking or

— COMM 1100-3 Fund. of Oral Communication

Quantitative Literacy (QL)

— MTH 1310-4 Finite Math for Mgt. & Social Sciences

Note: MTH1110 or MTH1400 is acceptable for transfer students or students changing their major. Consult with a math faculty advisor for approval.

Arts & Humanities

— -3

Historical

— -3

Natural and Physical Sciences

— -3

— -3

Social and Behavioral Sciences I

— ECO 2010-3 Principles of Economics: Macro (QL, WC)

Social and Behavioral Sciences II

— ECO 2020-3 Principles of Economics: Micro (QL, WC)

Global Diversity (must be satisfied within General Studies)

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Multicultural (may be satisfied within General Studies, major, minor or elective)

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Additional College of Business Requirements (6 credits)

— BUS 3040-3 Global Corporate Social Responsibility & Sustainability (60 Credit hrs)

— MTH 1320-3 Calculus for Management and Social Sciences

GENERAL ELECTIVES (14 hours)

BUSINESS CORE (required pre-reqs for each course listed)

— BUS 1850-3 Intro to Business-*transfer students coming in with 6+ credits of business courses do not need to take BUS 1850 but will need another CBUS course outside of major and bus core.*

— BUS 1950-3 Business Communication (CAS 1010 or 1710, ENG 1010, ENG 1020 Co-req or pre-req)
The following business core courses require completion of ENG 1020, Oral Com (OC), and Quantitative Lit (QL), unless otherwise noted

— ACC 2010-3 Principles of Accounting I (no OC)

— ACC 2020-3 Principles of Accounting II (ACC 2010)

— CIS 2010-3 Foundations of Information Systems (CIS 1010 or CIS test, QL Co-req)

— CIS 3300-3 Business Analytics I (MTH 1320 or 1410, CIS 2010 or CIS 2300, 60 hrs)

— CIS 3320-3 Business Analytics II (CIS 3300, 60 hrs)

— FIN 3300-3 Managerial Finance (ACC 2010, ECO 2010 & 2020, MTH 1320 or 1410, 60 hrs)

— MGT 2210-3 Legal Environment of Business I (QL Co-req)

— MGT 3000-3 Organizational Management (60 Credit hrs)

— MKT 3000-3 Principles of Marketing (60 Credit hrs)

— MGT 4950-3 Strategic Management (Senior/ Completion of Business Core)

Note: All business core courses must be completed with a grade of "C-" or better.

MAJOR COURSES

— CIS 2110-3 Structured Problem Solving in Information Systems (CIS 2010)

— CIS 2500-3 Security Essentials (CIS 2010)

— CIS 3060-3 Database Management Systems (CIS 2110)

— CIS 3350-3 Knowledge Discovery and Data Mining (CIS 3300 & JU standing)

— CIS 3460-3 Data Warehousing and Mining (CIS 3300 & CIS 3060 or ACC 3300)

— CIS 4060-3 Advanced Database Management Systems (CIS 3060 & CIS 3145)

— CIS 4370-3 Data Science and Big Data Analytics (CIS 3300, CIS 3460, & JU Standing)

— MKT3010-3 Marketing Research (BUS 1950, MKT 3000, and JU Standing)

Elective/Complementary Courses

20 credits of general electives

To earn a Bachelor of Science degree in Business Intelligence, a student must successfully complete 30 or more credit hours of business coursework at MSU Denver. This 30-hour residency requirement can be met by completing any business courses with the prefix ACC, ACCM, BNK, BUS, CIS, ECO, FIN, MGT and MKT and a course number of 2000 or higher.