

1 <sup>st</sup> Semester - First Year		2 <sup>nd</sup> 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
3 <sup>rd</sup> Ug o guvgt/"Ugeqpf" [ gct"		4 <sup>th</sup> Ug o guvgt/"Ugeqpf" [ gct"	
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3 <sup>rd</sup> Ug o guvgt/"Vjktf" [ gct"		4 <sup>th</sup> Ug o guvgt/"Vjktf" [ gct"	
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1 <sup>st</sup> Semester - Fourth Year		2 <sup>nd</sup> Semester - Fourth Year	
EKU"5367" EKU"5682" OMV"5232 aaaa"aaaa" aaaa"aaaa"	Dwukpguu"Cr rnkcevkqp" Fgxgnqr o gpv" Fcvc" Yctgjqwukpi"cpf"Okpkpi" Octmgvki" Tgugcte j" Gngevkgxg" Gngevkgxg"	O I V"6; 72" EKU"6282" EKU"6592 aaaa"aaaa" aaaa"aaaa"	Uvtcvgike"Opcpig o gpv" Cfxcpegf" Fcvdcug"Opcpig o gpv"U { uvg o u" Fcvc"Uekpeg"cpf" Dki" Fcvc" Cpcn{vkeu" Gngevkgxg" Gngevkgxg"

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 (60 hrs) should request a Degree Progress Report and review it with a faculty advisor in the Department of Computer Information Systems and Business Analytics.
Business core	36	
Additional College of Business requirements	6	
Major courses	24	
General Electives	20	
<b>Total to graduate (min. 40 hrs upper division)</b>	<b>120 min</b>	

## GENERAL STUDIES

### Written Communication (WC)

- \_\_\_ -3 (typically ENG 1010)
- \_\_\_ -3 (typically ENG 1020)

### Oral Communication (OC)

- \_\_\_ COMM 1010-3 Presentational Speaking or Fund. of
- \_\_\_ COMM 1100-3 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
- \_\_\_ -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- <i>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.</i>
___	BUS 1950-3	Business Communication (CAS 1010 or 1710, ENG 1010, ENG 1020 Co-req or pre-req)
<b>The following business core courses require completion of ENG 1020, Oral Com (OC), and Quantitative Lit (QL), unless otherwise noted</b>		
___	ACC 2010-3	Principles of Accounting I ( <i>no OC</i> )
___	ACC 2020-3	Principles of Accounting II ( <i>ACC 2010</i> )
___	CIS 2010-3	Foundations of Information Systems ( <i>CIS 1010 or CIS test, QL Co-req</i> ) Business
___	CIS 3300-3	Analytics I ( <i>MTH 1320 or 1410, CIS 2010 or CIS 2300, 60 hrs</i> )
___	CIS 3320-3	Business Analytics II ( <i>CIS 3300, 60 hrs</i> )
___	FIN 3300-3	Managerial Finance ( <i>ACC 2010, ECO 2010 &amp; 2020, MTH 1320 or 1410, 60 hrs</i> ) Legal
___	MGT 2210-3	Environment of Business I ( <i>QL Co-req</i> )
___	MGT 3000-3	Organizational Management ( <i>60 Credit hrs</i> )
___	MKT 3000-3	Principles of Marketing ( <i>60 Credit hrs</i> )
___	MGT 4950-3	Strategic Management ( <i>Senior/ Completion of Business Core</i> )

**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 ( <i>CIS 2010</i> )
___	CIS 2500-3	Security Essentials ( <i>CIS 2010</i> )
___	CIS 3060-3	Database Management Systems ( <i>CIS 2110</i> )
___	CIS 3350-3	Knowledge Discovery and Data Mining ( <i>CIS 3300 &amp; JU standing</i> )
___	CIS 3460-3	Data Warehousing and Mining ( <i>CIS 3300 &amp; CIS 3060 or ACC 3300</i> )
___	CIS 4060-3	Advanced Database Management Systems ( <i>CIS 3060 &amp; CIS 3145</i> )
___	CIS 4370-3	Data Science and Big Data Analytics ( <i>CIS 3300, CIS 3460, &amp; JU Standing</i> )
___	MKT3010-3	Marketing Research ( <i>BUS 1950, MKT 3000, and JU Standing</i> )

## 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.