1 st Semester - First Year		2 nd Semester - First Year	
ENG 1010 MTH 1310 COMM 1010 or COMM 1100 BUS 1850 CIS 1010*	Freshman Comp: Composing Arguments Finite Math for Mgmt & Soc Science Presentational Speaking or Fund. of Oral Comm Intro to Business Intro to Computers (*or gen elect if 75+ on CIS Placement Test)	ENG 1020 MTH 1320 BUS 1950	Freshman Comp: Analysis, Research & Doc. Calculus for Mgmt & Soc Science Business Communication Arts and Humanities Natural & Physical Science
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 3050 CIS 3230 MGT 3000 BUS 3040	Business Analytics I Fundamentals of Systems Analysis and Design Telecommunication Systems and Networking Organizational Management Global Corporate Social Responsibility & Sustainability	CIS 3320 FIN 3300 MKT 3000 CIS 3060 CIS 3500	Business Analytics II Managerial Finance Principles of Marketing Database Management Systems Information Systems Security
1 st Semester - Fourth Year		2 nd Semester - Fourth Year	
CIS 3145 CIS CIS 	Business Application Development CIS Upper Division Elective CIS Upper Division Elective Elective Elective	MGT 4950 CIS 4050 CIS 	Strategic Management Systems Analysis and Design CIS Capstone Course (CIS 4xxx level elective) 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 <u>approved</u> course listed in the *University Catalog*.

<u>MINORS FOR BUSINESS MAJORS</u>: 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 CIS CAREER ROADMAP

First Year (0-29 Credits - EXPLORE)

- Meet with a Career Counselor at Classroom to Career Hub (AD 270)
- Take a Career Test & Attend a Career GPS workshop

Second Year (30-59 Credits - EXPLORE)

- Complete your Roadrunner Road map 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, and listen to
 OTF Podcast
- Participate in research, study abroad, service learning, or an internship through the C2Hub

Fourth Year (90-120 Credits – EXECUTE)

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

Computer Information Systems, B.S.

Catalog 23-24

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 <u>currently</u> enforced for that course. Please check the online catalog prior to registering each semester. The following concentrations are available to CIS Students: Application Development, Business Analytics, Database Development and Administration, Information Systems Security, Network Systems and Administration or Web Development and Administration.				
major in Computer Information Systems should work with an advisor in the College of Business or the department on course selection and sequencing to ensure timely graduation.		neral Studies33Students who have reached juniorsiness core45standing (60 hrs) should request alitional College of Business requirements6-7Degree Progress Report and review itor courses27with a faculty advisor in the Departmentneral Electives12-15of Computer Information Systems and Business Analytics.			
Information Systems	GENERAL STUDIES Written Communication (WC)	BUSINESS CORE 45 credits. In order to graduate, students must maintain a 2.0 average inside the Business Core.			
	Natural and Physical Sciences 	Senior Experience MGT 4950 Strategic Management (Senior / Completion of Business Core)			
Compu		MAJOR COURSESCIS 2110-3 CIS 3050-3CIS 3050-3 Fundamentals of System Analysis & Design (CIS 2010) Fundamentals of System Analysis & Design (CIS 2110) Database Management Systems (CIS 2110) Business Application Development (CIS 2110)CIS 3145-3 Business Application Development (CIS 2110) Telecommunications Systems and Networking (CIS 2110) Information Systems Security (CIS 3230) CIS 4050-3CIS 3500-3 			
	<u>Multicultural</u> (may be satisfied within General Studies, major, minor or electiv				
	Additional College of Business Requirements (6 credits) COMM 1010, Presentational Speaking, or COMM 1100, Fundamentals of Oral Communication* MTH 1320, Calculus for MGT & Social Sciences or MTH 1410, Calculus I or Higher [MTH 1320 requires completion of Finite Math, College Algebra, or Pre- Calculus as a prerequisite] *This class also counts towards a General Studies requirement	CIS 3030-3 Business Web Page DevCIS 4030-3 Web Site AdministrationCIS 3220-3 Analysis of HardwareCIS 4060-3 Adv. Database Mgmt.CIS 3270-3 Adv. Comp Apps for BusCIS 4160-3 Adv. Programming SeminarCIS 3280-3 Lan/Wan Sys for BusCIS 4260-3 Database AdministrationCIS 3290-3 Operating Systems EndCIS 4280-3 Network Install & Admin.CIS 3310-3 Business Forecasting MethodsCIS 4281-3 Network Install & Admin UNIXCIS 3460-3 Data Warehouse/ MiningCIS 4410-3 Management Info. SystemsCIS 3490-3 Managing Bus. Info, EnterpSysCIS 4500-3 Info Sys Scrty Mgt & Info Asurnc			
	GENERAL ELECTIVES (12-15 hours)	Elective/Complementary Courses 12-15 credits of general electives (depending on the student's need to take CIS 1010 or not, based on an appropriate score on the Computer Literacy exam)			