

# Plan of Study

BS Computer Information Systems

Business Analytics Specialization

Catalog Year: 2025 – 2026



**Sample Schedule:** students are not limited to this plan; it is meant to serve as a guide for planning purposes in discussions with your academic advisor. This plan is one possible path to completing this degree in **four years**.

FIRST YEAR				
First Semester			On Campus	Online
Course	Prerequisites / Comments	Credits	Semester(s) Offered	
CSC 105 Introduction to Computers		3	F/S	F/S/SU
CSC 150 Computer Science I		3	F/S	F/S/SU
CIS 325 Management Information Systems		3	F	F/S/SU
SGE Written Communication	1 of 2 / * ENGL 101	3	F/S	F/S/SU
SGE Math	1 of 1 / * MATH 114 or Higher	3	F/S	F/S/SU
GS 100 University Experience	Not required online	0	F	-
Total Credit Hours		15		
Second Semester				
Course	Prerequisites / Comments	Credits	Semester(s) Offered	
CIS 206 Advanced Applications: Word	CSC 105 / Choose 3 credits of the 4 options	1	S	F/S/SU
CIS 207 Advanced Applications: Spreadsheets		1	S	F/S/SU
CIS 208 Advanced Applications: Database		1	S	F/S/SU
CIS 210 QuickBooks		1	F	F
CIS 251 Business Applications Programming	CSC 150	3	S	F/S/SU
CSC 163 Hardware, Virtualization & Data Com.		3	F/S	F/S
CSC 285 Networking I		3	F/S	F/S/SU
SGE Oral Communication	1 of 1 / Choose CMST 101, 215 or 222	3	F/S	F/S
Total Credit Hours		15		
SECOND YEAR				
Third Semester				
Course	Prerequisites / Comments	Credits	Semester(s) Offered	
ACCT 210 Principles of Accounting I		3	F/S	F/S/SU
BADM 220 Business Statistics	Math 104 or higher	3	F/S	F/SU
CSC 134 Introduction to Cyber		3	F/S	F/S/SU
SGE Natural Sciences	1 of 2	3	F/S	F/S
SGE Social Sciences	1 of 2 (in 2 disciplines)	3	F/S	F/S/SU
Total Credit Hours		15		
Fourth Semester				
Course	Prerequisites / Comments	Credits	Semester(s) Offered	
BADM 321 Business Statistics II	BADM 220	3	F/S	S/SU
CIS 332 Structured Systems Analysis & Design	CIS 123, CSC 150	3	F/S	F/S/SU
ECON 201 Principles of Microeconomics		3	F/S	F/SU
SGE Written Communication	1 of 2 / * ENGL 201 required	3	F/S	F/S/SU
SGE Arts and Humanities	1 of 2 (in 2 disciplines)	3	F/S	F/S/SU
Total Credit Hours		15		
THIRD YEAR				
Fifth Semester				
Course	Prerequisites / Comments	Credits	Semester(s) Offered	
BADM 344 Managerial Communications	ENGL 101	3	F/S	F/SU
BADM 370 Marketing		3	F/S	F/S/SU
BADM 425 Production & Operations Mgmt.	BADM 220 or MATH 281 & BADM 321	3	F/S	F/S
CIS 372 Programming for Analytics	CSC 150 or CIS 123	3	F	F
SGE Arts and Humanities	2 of 2 (in 2 disciplines)	3	F/S	F/S/SU
Total Credit Hours		15		

Sixth Semester				
Course	Prerequisites / Comments	Credits	Semester(s) Offered	
BADM 350 Legal Environment of Business		3	F/S	F/S
BADM 360 Organization & Management		3	F/S	F/SU
CIS 338 Project Management		3	S	S/SU
CIS 368 Predictive Analytics	CIS 372 and BADM 220 or MATH 281	3	S	S
ACCT/BADM/CIS/CSC/ECON/HIM Elective	1 of 3 / * CIS 384	3	S	S/SU
	<b>Total Credit Hours</b>	<b>15</b>		
FOURTH YEAR				
Seventh Semester				
Course	Prerequisites / Comments	Credits	Semester(s) Offered	
ACCT/BADM/CIS/CSC/ECON/HIM Elective	1 of 2 / * CIS 438	3	F	F
CIS 474 Business Intelligence and Big Data	CSC 150	3	F	F
CIS 484 Database Management Systems		3	F/S	F/S/SU
Open Elective	1 of 2 / * CSC 386	3	F	F
SGE Social Sciences	2 of 2 / SGR Civics Requirement (HIST 151 or HIST 152 or CIV 100 or POLS 100, or POLS 210)	3	F/S	F/S/SU
<b>Apply for Graduation</b>	<b>You will receive a notification in your DSU email identifying the process to apply for graduation in the semester before your planned graduation date.</b>			
	<b>Total Credit Hours</b>	<b>15</b>		
Eighth Semester				
Course	Prerequisites / Comments	Credits	Semester(s) Offered	
CIS 427 Info Systems Planning & Management	CIS 325 or CIS 332	3	S	S
CIS 487 Database Programming	CIS 484	3	S	S
ACCT/BADM/CIS/CSC/ECON/HIM Elective	3 of 3	3	F/S	F/S/SU
Open Elective	2 of 2	3	F/S	F/S/SU
SGE Natural Sciences	2 of 2	3	F/S	F/S/SU
<b>Take Exit Exam</b>	<b>After you apply for graduation, someone will reach out to schedule your exit exam.</b>			
	<b>Total Credit Hours</b>	<b>15</b>		
	<b>Program Credit Hours</b>	<b>120</b>		

**\* Recommended**

**Semester: F = Fall; S = Spring; SU = Summer**

***Information and course schedules may change. This is not a contract.***

**After the Fifth Semester you will have earned\*:**

- Information Technology Management Certificate

**After the Fifth Semester you will have earned\*:**

- Data Analytics Certificate

**After the Sixth Semester you will have earned\*:**

- Technology Database Management Systems Certificate

**If you take the suggested CIS 438, after the Seventh Semester you will have earned\*:**

- Project Management Certificate

***\* Communicate with your advisor to add these programs and apply for graduation once all requirements are met.***