



# Plan of Study

## BS Computer Information Systems Business Analytics Specialization

Catalog Year: 2023 – 2024

**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	
CIS 325 Management Information Systems		3	F	F/S/SU
CSC 105 Introduction to Computers		3	F/S	F/S/SU
CSC 150 Computer Science I		3	F/S	F/S/SU
SGE Written Communication	1 of 1, ENGL 101 required	3	F/S	F/S/SU
SGE Math	1 of 1, MATH 114 required, can take higher math based on placement	3	F/S	F/S/SU
GS 100 University Experience	Not required online	0	F	-
<b>Total Credit Hours</b>		<b>15</b>		

### Second Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
CIS 206 Advanced Applications: Word	CSC 105, Choose 3 credits	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-no campus section in Fall	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, CMST 101 required	3	F/S	F/S
<b>Total Credit Hours</b>		<b>15</b>		

### SECOND YEAR

### Third Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
ACCT 210 Principles of Accounting I		3	F	F/S/SU
BADM 220 Business Statistics	Math 104 or higher	3	F/S	F/SU
CSC 145 Cyber Security Fundamentals		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
<b>Total Credit Hours</b>		<b>15</b>		

### Fourth Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
BADM 321 Business Statistics II	BADM 220-no online section in Fall	3	F/S	S/SU
CIS 332 Structured Systems Analysis & Design	CIS 130, CIS 123, CSC 150	3	F/S	F/S/SU
ECON 201 Principles of Microeconomics		3	F/S	F/SU
SGE Written Communication	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
<b>Total Credit Hours</b>		<b>15</b>		

## 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 130 or CIS 123	3	F	F
SGE Arts and Humanities	2 of 2 (in 2 disciplines)	3	F/S	F/S/SU
<b>Total Credit Hours</b>		<b>15</b>		

### 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
CIS Major Elective	Suggested: 384 (prereq: CIS 325), (1 of 3)	3	S	S/SU
<b>Total Credit Hours</b>		<b>15</b>		

## FOURTH YEAR

### Seventh Semester

Course	Prerequisites / Comments	Credits	Semester(s) Offered	
CIS Major Elective	Suggested: CIS 438 ( prereq: CIS 338), (2 of 3)	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	Recommendation: CSC 386 (Elective 1 of 2)	3	F	F
SGE Social Sciences	2 of 2 (in 2 disciplines)	3	F/S	F/S/SU
<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
CIS Major 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>Total Credit Hours</b>		<b>15</b>		

**Program Credit Hours    120**

P = Course Prerequisite

SGE = System-wide General Education requirement

Semester: F = Fall; S = Spring; SU = Summer (all summer courses are online)

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

- Information Technology Management Certificate

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

- Data Analytics Certificate

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

- Technology Database Management Systems Certificate

**If you take the suggested CIS 438, after the Eighth 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.*