



Bachelor of Science in:  
**Business Information Systems**  
For Students Following the: 2018-2019 catalog

Name:
Student ID:
Catalog Year:

BIS 101 Completed

PRE-MAJOR COURSES (31 Hours)				
Course	Pre-req	Credits	Term	Grade
ACC 200**	Principles of Accounting I - Financial	Sophomore Standing & BIS 101 & College Level Math & ACC 200L Co-req	3	
ACC 200L**	Financial Accounting Lab	ACC 200 Co-Req	1	
ACC 201**	Principles of Accounting II - Managerial	ACC 200 & Sophomore Standing	3	
BUS 230**	Legal Environment	Sophomore Standing	3	
ECO 200**	Principles of Macroeconomics	College Level Math	3	
ECO 201**	Principles of Microeconomics	College Level Math	3	
ENG 101	College Writing	ENGD090, ENGI099 and or RDG 091 or placement	3	
ENG 102	Advanced College Writing	ENG 101	3	
CMST101 OR CMST110	Public Speaking Intro to Communication Studies		3 3	
MAT 114	Finite Mathematics	MAHD099	3	
STA 205	Introduction to Statistical Methods	MAHD092, MAD095, MAHD099, or placement	3	

OFFICE USE ONLY
Approved Exceptions
Successful ACC 200 CLEP
Successful BUS 230 CLEP
Successful ECO 200 CLEP
Successful ECO 201 CLEP
Successful ENG 101 CLEP
Successful STA 205 DSST

Date Pre-Major Completed with no grade lower than a C- and a Minimum 2.5 GPA: \_\_\_\_\_

Pre Major GPA: \_\_\_\_\_

COURSES IN BUSINESS (24 Hours)				
Course	Pre-req	Credits	Term	Grade
MAT 109	Algebra for College Students	MAHD099 (≥ B-) or placement	3	
BIS 380	Quantitative Analysis with Excel	BIS 300 & STA 205 or 250	3	
MGT 300	Behavior in Organizations	Junior Standing	3	
MGT 490	Business Policy	MGT 300, FIN 305, MGT 305, MKT 205 or MKT 305, Senior Standing, & Certified Major	3	
BIS 300**	Management Information Systems	Junior standing, STA 205 or STA 250 or BIS 275 & BIS 101 or equivalent transfer work or placement	3	
FIN 305**	Principles of Finance	ACC 200 & ACC 201, & STA 205 & Junior Standing	3	
MGT 305**	Operations Management in Business	MAT 109 & STA 205 & Junior Standing	3	
MKT 205**	Principles of Marketing	Sophomore Standing	3	

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Successful MAT 109 CLEP
Successful BIS 300 DSST
Successful MKT 205 CLEP

COURSES IN INFORMATICS (12 Hours)				
Course	Pre-req	Credits	Term	Grade
INF 110 OR INF 120	Intro to Application Development Elementary Programming	MAHD099	3 3	
INF 282	Introduction to Databases	MAHD099 (≥ C)	3	
INF 284 OR CIT 285	Introduction to Networks & Data Communication Cybersecurity Fundamentals	MAT 109 & INF 110 or INF 120 or CIT 130	3 3	

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Approved Exceptions
Successful INF 120 CPLE

INF 286	Introduction to Web Development	MAT 109 & INF 110 or INF 120 or CSC 260	3			Successful INF 286 CPLE
COURSES IN BUSINESS INFORMATION SYSTEMS (21 Hours)						OFFICE USE ONLY
Course	Pre-req	Credits	Term	Grade	Approved Exceptions	
BIS 305	Advanced Business Programming	INF 110 or INF 120	3			
BIS 310	Systems Analysis and Design	INF 110 or INF 120 & BIS 300 & Junior Standing	3			
BIS 330	IT Project Management	BIS 275 or BIS 300	3			
BIS 364	Visualizing Data for Business Analysis	INF 282 & STA 205 or STA 250	3			
BIS 382 OR HIN 382	Principles of Information Security Healthcare Info. Security & Privacy	BIS 300 HIN 355	3 3			
BIS 430	Business Process Analysis	BIS 300, Junior Standing, Certified BI major or Dept. Permission	3			
BIS 485	Strategic Information Systems Management	BIS 310, BIS 330, FIN 305, MGT 305, MKT 205; certified business or COI major or minor or Dept. Permission	3			
GUIDED ELECTIVES (6 - 9 HOURS)						OFFICE USE ONLY
Select one of the tracks below or any two courses from the non-specific category						Approved Exceptions
Course	Pre-req	Credits	Term	Grade	Approved Exceptions	
BIS 3xx-4xx		3				
BIS 3xx-4xx		3				
TRACKS						
Track Name	Courses					
<b>Business Analytics (6 credits)</b>	BIS 384 - Business Analytics					
	BIS 420 - Business Intelligence and Enterprise Applications					
<b>Information Assurance (6 credits)</b> <i>Note: BIS 382 must be the selected option in the BIS Core</i>	ACC 310 - Accounting Information Systems					
	ACC 330 - Fraud Examination					
<b>Computer Security (6 credits)</b> <i>Note: BIS 382 must be the selected option in the Business Information Systems Core</i>	CIT 371 - Unix Systems					
	<b>Select one of the following courses:</b>					
	CIT 430 - Computer Forensics					
	CIT 480 - Securing Computer Systems					
<b>Collaboration Systems (9 credits)</b>	CIT 481 - Cybersecurity Capstone					
	BIS 373 - Collaboration Systems with SharePoint					
	<b>Select two of the following courses:</b>					
	CMST381 - Computer-Mediated Communication					
<b>Healthcare Information Systems (6 credits)</b> <i>Note: HIN 382 must be the selected option in the BIS Core</i>	CMST303 - Organizational Communication					
	CMST335 - Communication and Conflict					
<b>Non-Specific (6 credits)</b>	HIN 355 - Foundations of Health Informatics					
	HIN 356 - Health Information Management					
	BIS 373 - Collaboration Systems with SharePoint					
	BIS 384 - Business Analytics					
	BIS 394 - Topics: Information Systems					
	BIS 396 - Applied Business Informatics					
	BIS 397 - Information Systems Projects					
	BIS 402 - Programming for E-Business					
	BIS 420 - Business Intelligence and Enterprise Applications					
	BIS 435 - Database Management Systems					
BIS 440 - Global Information Technology Management						
BIS 494 - Topics: Information Systems						

Students must earn a grade of C- or better in all courses that apply to the major and minor and earn and major and minor GPA of 2.00 or higher. Please consult with your advisor and the appropriate University Course Catalog for all other degree requirements.