Bachelor of Science in Information Systems -- 120 Credits

(Business Information Systems)

JIS-BS / JBSBIS-SP (RG 6883) Effective August 2025

GENERAL EDUCATION REQUIREMENTS (RG 6793)

REQUIRED COURSES (RG 6864)

Foundational Courses		CR	Satisfi	ied/Term	
Engcmp 0005	Composition I	3			
Engcmp 0006	Composition II	3			
CommRc 0052	Public Speaking	3			
Basic Algebra or Placement Test					
Math 0001	Algebra 1	3			
Quantitative Re	asoning (QR) - 1 Course				
Note - a student cannot test out of their QR requirement.					
3					

FREE ELECTIVES

FREE ELECTIVES			
Free electives are the balance of credits required for			
graduation (120) that are not used to satisfy competencies,			
knowledge areas, major requirements, electives, or any			
related area required by the department.			
	CR	Satisf	ied/Term
			•

WORLDS OF KNOWLEDGE (RG 6874)

Aesthetic and Creative Expression (RQ 3148)						
Subject	Number	Course Title	CR	Satisfied/Term		
Engwrt	1192	Technical Writing	3			
			3			

Societies & Civics (RQ 3150)						
Subject	Number	Course Title	CR	Satisfied/Term		
Econ	0105	Microeconomic Theory	3			
			3			

Follow-Up Courses (RQ 3154)						
Subject	Number	Course Title	CR	Satisfied/Term		
Math	0401	Discrete Math Struct	3			

Each student must take 2 courses in each World of Knowledge. The two courses taken within each World must be from different subjects. A student must take two additional "Follow-Up" courses from any World.

>The minimum number of courses taken in the Worlds must be 10.

>The Follow-Up courses may repeat a subject previously taken in a World.

A student cannot use a major required Subject course in one of the Worlds.

>For example: A Biology student cannot use BIOL 0110 to fulfill a requirement in the Science and Nature World.

Students cannot use a course to count both in their QR requirement and one of the Worlds.

>Students can choose QR and Worlds of Knowledge courses from published course lists.

MAJOR REQUIREMENTS (RG 6883)

Required Economics (RQ 3179)		CR	Satisf	ied/Term
Econ 0105	Microeconomic Theory	3		
Econ 0115	Macroeconomic Theory	3		
Required M	ath and CS (RQ 3219,3180,3181)	CR	Satisf	ied/Term
Math 0401	Discrete Math Struct	3		
Math 0121*	Business Calculus	4		
CS 0015	Intro to CS Programming	3		
CS 0016	Intro to CS Progr Appl	1		
Required W	Required Writing (RQ 3182)		Satisf	ied/Term
Engwrt 1192	Technical Writing	3		
Requiremen	Requirement Satisfied			

 * Course must be completed with a minimum grade of "C-"

MGPA (RQ 3223) Residency (RQ 3224)

Updated 4/24/25

IS Core (F	IS Core (RQ 3221)		Satis	fied/Term
IS 0400*	Intro to Information Systems	3		
IS 1410	Database Management Systems	3		
IS 1420	Systems Analysis & Design	3		
IS 1435	IS Project Management	3		
IS 1440	Quality Assurance	3		
Requirement Satisfied		15		

Select for	r of the following courses	CR	Satisfied/Term
IS 1412	Graphic Design	3	
IS 1415	Web Development	3	
IS 1425	Networking	3	
IS 1426	Hardware / Operating Systems	3	
IS 1427	Systems Administration	3	
IS 1428	Moblile Apps	3	
IS 1441	Business Intelligence	3	
IS 1445	IS Special Topics	3	
IS 1450	Enterprise Applications	3	
IS 1470	Information Security	3	
IS 1471	Advanced Information Security	3	
IS 1478	Ethical Hacking	3	
IS 1488	IS Internship	3	
IS 1489	IS Independent Study	3	
CS 0417	Interm Prog Using Java	3	
Requirem	ent Satisfied	12	

Business Required (RQ 3220)		CR	Satisf	ied/Term
Bus 0100	Introduction to Business	1		
Acct 0115	Accounting Principles 1	3		
Fin 0300	Principles of Finance	3		
Bus 0350	Bus Applications & Databases	3		
Mgmt 0500	Principles of Management	3		
Mrkt 0600	Principles of Marketing	3		
Phil 1380	Business Ethics	3		
Requirement Satisfied		22		

Global History & Culture (RQ 3149)
Subject Number Course Title

Number Course Title

Science & Nature (RQ 3153)

0115 Macroeconomic Theory

0015 Intro to CS Programming

0121 Business Calculus

CR Satisfied/Term

CR Satisfied/Term

3

3

Required Statistics (RQ 4998)						
Complete	one of the following courses	CR	Satisf	ied/Term		
CS 0406	Discrete Math 2 and Statistics	3				
Stat 1020	Social Statistics	3				
Stat 1040	Statistics for Bus/Econ	3				
Requirem	ent Satisfied	3				

IMPORTANT INFORMATION:

This sheet is an unofficial representation of the major requirements and the information is subject to change. It is not an official record of academic progress and should not be treated as such. Official degree information can only be obtained through the Division Office of the Office of the Registrar.