Bachelor of Science in Information Systems -- 120 Credits

(Cybersecurity)

JIS-BS / JBSCYB-SP (RG 8267)
Effective August 2025

GENERAL EDUCATION REQUIREMENTS (RG 6793)

REQUIRED COURSES (RG 6864)

Foundational Courses		CR	Satisfied/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 Reasoning (QR) - 1 Course			
Note - a student cannot test out of their QR requirement.			
		3	

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	Satisfied/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	

Global History & Culture (RQ 3149)

Subject	Number	Course Title	CR	Satisfied/Term
Econ	0115	Macroeconomic Theory	3	
			3	

Science & Nature (RQ 3153)

Subject	Number	Course Title	CR	Satisfied/Term
CS	0015	Intro to CS Programming	3	
Math	0121	Business Calculus	4	

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 8267)

Required Economics (RQ 3179)

		CR	Satisfied/Term
Econ 0105	Microeconomic Theory	3	
Econ 0115	Macroeconomic Theory	3	
Required Math and CS (RQ 3219,3180,3181)		**CR**	Satisfied/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 Writing (RQ 3182)		**CR**	Satisfied/Term
Engwrt 1192	Technical Writing	3	
Requirement Satisfied		**20**	

IS Core (RQ 4147)

		CR	Satisfied/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**	

IS Electives (RQ 4148)

Select three of the following courses		CR	Satisfied/Term
IS 1412	Graphic Design	3	
IS 1415	Web Development	3	
IS 1428	Moblile Apps	3	
IS 1441	Business Intelligence	3	
IS 1445	IS Special Topics	3	
IS 1478	Ethical Hacking	3	
IS 1488	IS Internship	3	
IS 1489	IS Independent Study	3	
CS 0417	Interm Prog Using Java	3	
Requirement Satisfied		**9**	

Cybersecurity Required (RQ 4149)

		CR	Satisfied/Term
IS 1425	Networking	3	
IS 1426	Hardware/OS	3	
IS 1427	Systems Administration	3	
IS 1470	Information Security	3	
IS 1471	Advanced Information Security	3	
JAC 0726	Digital Age Crime and Justice	3	
JAC 0400	Basic Computer Forensics	3	
JAC 1400	Advanced Computer Forensics	3	
Phil 1380	Business Ethics	3	
Requirement Satisfied		**27**	

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

MGPA (RQ 4150)
Residency (RQ 4151)

Updated 4/24/25

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 or the Office of the Registrar.