Education Pathway to Bachelor of Science in Information Systems

From: Associate of Science Degree in Business Administration

GENERAL EDUCATION REQUIREMENTS

REQUIRED COURSES (RG 6864)

Foundational Courses		CR	Equivalent
Engcmp 0005	Composition I	3	ENG 110
Engcmp 0006	Composition II	3	ENG 205
CommRc 0052	Public Speaking	3	COM 101
Basic Algebra or Placement Test			
Waived			
Quantitative Reasoning (QR) - 1 Course			
Note - a student cannot test out of their QR requirement.			
MATH 0002	College Algebra	3	MAT 145

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	Equivalent
BUS 0000 NE	3	BUS 110
ACCT 1570	3	BUS 210
ACCT 1100	3	ACC 230
Science with Lab	4	
BIOL 0111	1	BIO 114

WORLDS OF KNOWLEDGE (RG 6874)

Aesthetic and Creative Expression (RQ 3148)

Subject	Number	Course Title	CR	Equivalent
Engwrt	1192	Technical Writing	3	
MUSIC	0212	Music	3	MUS 100

Societies & Civics (RQ 3150)

Subject	Number	Course Title	CR	Equivalent
Econ	0105	Microeconomic Theory	3	ECO 110
SOC	0100	Intro to Sociology	3	SOC 100

Follow-Up Courses (RQ 3154)

Subject	Number	Course Title	CR	Equivalent
Math	0401	Discrete Math Struct	3	
BIOL 0110		Biology	3	BIO 104

Global History & Culture (RQ 3149)

Subject	Number	Course Title	CR	Equivalent
Econ	0115	Macroeconomic Theory	3	ECO 100
ANTH 0800 or HIST 0120 or HIST 0130			3	***

Science & Nature (RQ 3153)

Subject	Number	Course Title	CR	Equivalent
CS	0015	Intro to CS Programming	3	
Math	0121	Business Calculus	4	MAT 205

*** Choose 1: ANT 100 or CIV 100 or CIV 110

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

Required Economics (RQ 3179)		CR	Equivalent
Econ 0105	Microeconomic Theory	3	ECO 110
Econ 0115	Macroeconomic Theory	3	ECO 100

Required Math and CS (RQ 3219,3180,3181)		CR	Equivalent
Math 0401	Discrete Math Struct	3	
Math 0121*	Business Calculus	4	MAT 205
CS 0015	Intro to CS Programming	3	
CS 0016	Intro to CS Progr Appl	1	

Required Writing (RQ 3182)		CR	Equivalent
Engwrt 1192	Technical Writing	3	
Required at UPJ		**10**	

All grades transferred in must be a "C" or better

Updated 9/13/23

IS Core (RQ 3221)		CR	Equivalent
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	
Required at UPJ		**15**	

IS Electives (RQ 3222)			
Select four of the following courses		**CR**	**Equivalent**
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	
Required at UPJ		**12**	

Business Required (RQ 3220)		CR	Equivalent
Bus 0100	Introduction to Business	1	ACP 100
Acct 0115	Accounting Principles 1	3	ACC 150
Fin 0300	Principles of Finance	3	
Bus 0350	Micro-Computer Appl	3	CIT 100
Mgmt 0500	Principles of Management	3	BUS 125
Mrkt 0600	Principles of Marketing	3	BUS 230
Bus 1540	Ethics & Leadership	3	
Required at UPJ		**6**	

Required Statistics (RQ 3178)		CR	Equivalent
Stat 1040	Statistics for Bus/Econ	3	MAT 200

Required Senior Seminar (RQ 3183)		CR	Equivalent
Bus 1700	Business Strategy	3	
Required at UPJ		**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 or the Office of the Registrar.