

Bachelor of Science in Information Systems and Technology

Requirements (64-65 units)

Total units required for graduation (120)

Requirements for the B.S. in Information Systems and Technology

Lower-division requirements (25-26)

ADMN 2100	Applied Business Statistics	3
IST 1110	Introduction to Information Technology	1
IST 2210	Computer Networks and Security	3
IST 2310	Applications Development	3
IST 2410	Database Management for Business	3
IST 2510	Big Data Analytics	3
IST 2610	Cybersecurity	3
MGMT 2300	Legal Environment of Organizations	3
Three or four units chosen from the following courses: * Satisfies GE category B4		3-4
MATH 1301	Modeling with Functions	
MATH 1303	Stretch Modeling with Functions B	
MATH 1401	Accelerated Preparation for Calculus	
MATH 1403	Preparation for Calculus B	
MATH 1601	Modeling with Calculus	
MATH 2210	Calculus I	

Upper-division requirements (21)

IST 3110	Management of Information Technology	3
IST 3420	Systems Analysis and Design	3
IST 4210	Advanced Computer Networks	3
IST 4310	Web Technologies	3
IST 4910	Enterprise System Administration	3
IST 5150	Project Management	3
MGMT 3500	Applied Communication	3

Concentration (18)

Requirements for one of the following concentrations must be satisfied: 18

Total Units 64-65

Concentrations (18 units)

Students must earn a grade of "C" (2.0) or better in all concentration courses required to fulfill a B.S. in Information Systems and Technology

Business Intelligence and Analytics Concentration (18 units)

(Program Code: ISBI)

IST 3500	Problem Solving and Decision Making	3
IST 4510	Advanced Data Analytics	3
IST 4520	Data Mining	3

Nine units chosen from the following courses: 9

IST 3050	Enterprise Resource Planning	
IST 4320	Advanced Applications Development	
IST 4410	Advanced Database Management and Information Assurance	
IST 5050	Advanced Enterprise Resource Planning	
IST 5250	Incident Handling and Cyber Investigation	
SCM 3040	Principles of Supply Chain Management	
GEOG 5303	Advanced Topics in GIS and Spatial Techniques	
ADMN 5753	Internship	
IST 5930	Seminar in Information Systems and Technology	
IST 5951	Independent Study	
IST 5952	Independent Study	
IST 5953	Independent Study	

Total Units 18

Cyber Security Concentration (18 units)

(Program Code: ISCY)

IST 4610	Cybersecurity Management	3
IST 4620	Penetration Testing and Ethical Hacking	3
IST 5250	Incident Handling and Cyber Investigation	3
IST 5930	Seminar in Information Systems and Technology	3

Six units chosen from the following courses: 6

IST 4120	Information Systems Planning and Policy	
IST 4320	Advanced Applications Development	
IST 4410	Advanced Database Management and Information Assurance	
IST 4510	Advanced Data Analytics	
IST 4520	Data Mining	
ADMN 5753	Internship	
IST 5930	Seminar in Information Systems and Technology	
IST 5951	Independent Study	
IST 5952	Independent Study	
IST 5953	Independent Study	

Total Units 18

National Security Concentration (18 units)

(Program Code: ISNS)

IST 4610	Cybersecurity Management	3
IST 4620	Penetration Testing and Ethical Hacking	3
IST 5250	Incident Handling and Cyber Investigation	3
PSCI 3250	American Foreign Policy	3
PSCI 4840	National Security Policy	3
PSCI 5900	Seminar in International Relations	3

Total Units 18