



Preliminary Curriculum Guide

Bachelor of Science in Information Technology & Security Management

Course Number	Course Name	Credits	Prerequisites
	General Education or Technical Core (see below)	21	
	ITSM Required Courses		
BUL 3130	Legal and Social Aspects of Business	3	
GEB 3213	Business Writing	3	
MAN 3303	Management and Leadership	3	
ISM 3133	Systems Analysis and Design	3	COP 2000, CGS 1540
ISM 3212	Database Design and Administration	3	CGS 1540
ISM 3321	Security Essentials	3	CTS 1650, CTS 1334
ISM 4220	Network Technologies for Information Professionals	3	CTS 1650, CTS 1334
ISM 4320	Applications in Information Security	3	CTS 1650, CTS 1334, ISM 3323
ISM 4323	Information Security Policy, Administration & Mgmt.	3	CTS 1650, CTS 1334
CNT 4406	Network Security and Cryptography	3	CTS 1650, CTS 1334, ISM 3323
	ITSM Electives (choose two courses)		
ISM 4117	Data Mining and Data Warehousing	3	CGS 1540, ISM 3212
ISM 4324	Computer Forensics	3	CTS 1650, CTS 1334, ISM 3323
ISM 4480	Electronic Commerce Systems and Strategies	3	COP 1830, CGS 1540, ISM 3212
CTS 4425	Web Application Development	3	COP 1830, CGS 1540, ISM 3212
ISM 4881	Information Technology/Security Management Capstone (final semester)	3	Permission of Department Chair required.
Total Credits		60	

Admission Criteria:

- 2.0 cumulative GPA
- A.A. degree or A.S. degree in Computer Information Technology from a regionally accredited institution (other associate degrees, or equivalent, will be considered on a case-by-case basis)
- Completion of the following Common Prerequisite Courses is required for program admission. Students who have completed an AA or AS Degree but have not completed all required Common Prerequisite Courses will be considered for provisional admission:

MAC 1105—College Algebra or higher	CEP 1486C—Network Concepts and Operating Systems
SPC 1608—Introduction to Speech	COP 2000—Introduction to Programming
ECO 2013—Macro Economics or ECO 2023—Micro Economics	CGS 1540C—Database Management
STA 2023—Elementary Statistics or STA 2014—Descriptive and Inferential Statistics	

Required Technical Core Courses (for students entering with an AA degree or unrelated AS degree):

CET 1178—A+ Certification Training I	CTS 1104—Windows Professional
CTS 1334—Windows Server	CTS 1650—CCNA1: Networking Basics
COP 1830—Web Programming	COP 2000—Introduction to Computer Programming I
CGS 1540—Database Management	

Recommended General Education Courses (for students entering with an AS degree):

English: ENC 1101—English Composition I	ENC 1102—English Composition II
Humanities: PHI 1103—Critical and Creative Thinking	PHI 2100—Introduction to Logic
Mathematics: MAC 1105—College Algebra	STA 2023—Elementary Statistics I
Science: Any 6 credits of General Education Science courses	
Social Science 1: AMH 2010—American History: Discovery through Reconstruction	
AMH 2020—American History: Reconstruction to the Present	
Social Science 2: ECO 2013—Principles of Macro Economics	ECO 2013—Principles of Micro Economics

Capstone Course Guidance:

The Capstone course is an opportunity for students to demonstrate knowledge and competencies acquired throughout the ITSM program. For this reason, registration is limited to the final semester before graduation. Students must contact an academic advisor in order to be registered for the Capstone course. Completion of all General Education, Technical Core, Foreign Language, and the majority ITSM courses is required prior to requesting Capstone registration. Due to the demands of the Capstone course, registration in the final term is generally limited to 12 total credits.

Note: All information and course numbers are preliminary until final approval by the Florida Office of Articulation and the IRSC Curriculum Committee.