2020-21
BACHELOR OF SCIENCE DEGREE IN:

CYBERSECURITY AND NETWORK MANAGEMENT

SEM	GRADE	COURSE & TITLE - UNIVERSITY STUDIES, 41 HOURS	HRS
		ORAL & WRITTEN COMMUNICATION	
		COM 161 INTRO. TO PUBLIC SPEAKING	3
		ENG 105 CRITICAL READING, WRITING, AND INQUIRY	4
		GLOBAL AWARENESS, CULTURAL DIVERSITY, AND THE WORLD'S ARTISTIC TRADITIONS	
		ANY COURSE IN CATEGORY	3
		SCIENTIFIC INQUIRY, METHODOLOGIES, & QUANTITATIVE SKILLS	
		STA 135 INTRO. TO PROBABILITY & STATISTICS Prereq: Math ACT score of at least 20 or MAT 097	4
		MAT 140 COLLEGE ALGEBRA Prereq: ACT math score of at least 21 or MAT 097	4
		PHY 125/126 BRIEF INTODUCTORY PHYSICS Prereq: MAT 140	5
		SOCIAL & SELF-AWARENESS & RESPONSIBLE CITIZENSHIP	
		ANY COURSE IN SUB-CATEGORY OF ETHICS, SOCIAL RESPONSIBILITY, & CIVIC ENGAGEMENT	3
		ECO 231 PRINCIPLES OF MICROECONOMICS Prereqs: MAT 117, 120, 140 or 150; or an ACT math of 23; or consent of instructor	3
		WORLD'S HISTORICAL, LITERARY, & PHILOSOPHICAL TRADITIONS	
		CIV 201 WORLD CIVILIZATION & CULTURES I **OR** CIV 202 WORLD CIVILIZATIONS & CULTURES II	3
		HUM 211 WESTERN HUMANITITES TRADITION	3
		UNIVERSITY STUDIES ELECTIVES	
		CSC 101 INTRO TO PROB SOLVING USING COMP Prereq: MAT ACT at least 20; MAT 097 or higher	3
		CSC 199 INTRODUCTION TO INFO TECH Prereq: MAT ACT score of at least 19 or MAT 096 or higher	3

SEM	GRADE	COURSE & TITLE	HRS
		REQUIRED COURSES, 64 HOURS	
		ACC 200 PRINCIPLES OF ACCOUNTING I Prereq: Sophomore Standing	3
		CIS 307 DECISION SUPPORT TECHNOLOGIES Prereq: CSC 101 and 199	3
		CIS 317 PRINCIPLES OF INFORMATION SYSTEMS ANALYSIS AND DESIGN Prereq: CSC 101	3
		CSC 235 PROGRAMMING IN C++ Prereq: CSC 101 OR Consent of Instructor	3
		FIN 330 PRINCIPLES OF FINANCE Prereq: ACC 200 and junior standing	3
		IOE 350 FUNDAMENTALS OF MANAGEMENT Prereq: junior standing	3
		IOE 399 PROFESSIONAL DEVELOPMENT SEMINAR I	1
		MKT 360 PRINCIPLES OF MARKETING Prereq: junior standing	3
		CNM 100T TRANSITIONS (F)	1
		CNM 135 INTRODUCTION TO NETWORK TECHNOLOGY	3
		CNM 232 OPERATING SYSTEMS Prereq: TSM 134	3
		CNM 233 NETWORK SERVICES Prereq: TSM 232 and ENG 105	3
		CNM 241 NETWORKING FUNDAMENTALS Prereq: TSM 232	3
		CNM 302 INTERNET OF THINGS (S) Prereq: PHY 125/126	3
		CNM 320 INTRODUCTION TO WIRELESS TECHNOLOGY (F) Prereq: TSM 302	3
		CNM 324 WIRELESS COMMUNICATIONS SECURITY (F) Prereq: TSM 320	3
		CNM 343 PROTOCOL ANALYSIS (S) Prereq: TSM 232 and 241	3
		CNM 351 PRINCIPLES OF INFORMATION SECURITY (F) Prereq: TSM 135	3
		CNM 353 NETWORK SECURITY (F) Prereq: TSM 351 and TSM 343	3
		CNM 411 NETWORK DESIGN, OPERATIONS, & MANAGEMENT Prereqs: CIS 317 and senior standing	3
		CNM 440 INFORMATION ASSURANCE POLICY AND MANAGEMENT Prereq: TSM 351	3
		CNM 443 TELEPHONE TECHNOLOGY (S) Prereq: TSM 343	3
		CNM 488 COOPERATIVE EDUCATION/INTERNSHIP Prereq: TSM 241	2

REQUIRED ELECTIVES, 15 (Select 15 hours from any of the courses below)

*NOTE: When selecting courses for an area of emphasis or as an elective, a maximum of 9 hours may be selected from courses with a business prefix including: ACC, BPA, CIS, FIN, MGT, MKT, or OSY. Adherence to course prerequisites is critical.

SEM	GRADE	COURSE & TITLE	HRS
		WIRELESS COMMUNICATIONS	
		CNM 322 WIRELESS COMMUNICATIONS II (F) Prereq: TSM 320	3
		CNM 323 WIRELESS MOBILE INTERNET Prereq: TSM 320	3
		CNM 421 MOBILE SATELLITE COMMUNICATIONS (S) Prereq: TSM 320	3
		CYBERSECURITY	
		CNM 352 SYSTEM SECURITY (S) Prereq: TSM 351 and TSM 343	3
		CNM 441 ADVANCED INFORMATION SECURITY (S) Prereq: TSM 352	3
		NETWORK AND SYSTEM ADMINISTRATION	
		CSC 310 DATABASE ADMINISTRATION Prereqs: CIS 307 and TSM 133	3
		CNM 345 LINUX SERVER ADMINISTRATION Prereq: TSM 233	3
		CNM 360 VIRTUALIZED ENTERPRISE SYSTEMS Prereq: TSM 233 and TSM 343	3
		CNM 450 TELECOMMUNICATIONS POLICY AND STRATEGIES Sr Standing or Instructor Permission	3
		CNM 517 SYSTEMS PLANNING Prereq: CIS 317	3

SEM	GRADE	COURSE & TITLE	HRS
		APPROVED ELECTIVES (SEE ADVISOR FOR APPROVAL)	
		CSC 370 INTRODUCTION TO ARTIFICIAL INTELLIGENCE Prereqs: CSC 145 OR CSC 232 OR CSC 235	3
		ECO 335 ECONOMICS & PUBLIC POLICY OF TELECOMMUNICATIONS INDUSTRY Prereq: ECO 231	3
		LSC 343 FUNDAMENTALS OF OPERATIONS & TECHNOLOGY Prereqs: MAT 120 or higher and conditional or full admission to upper-level business courses or junior standing.	3
		MGT 358 ENTREPRENEURIAL BUSINESS PLAN DEVELOPMENT Prereqs: junior standing; ACC 200 and MGT 350	3
		MKT 475 MKT STRATEGIES IN E-COMMERCE Prereqs: BUS 355 and MKT 360	3
		CNM 444 WIDE AREA NETWORKS (F) Prereqs: TSM 343 and 443	3

TOTAL CURRICULUM REQUIREMENTS, 120 HOURS   Dated: February 2020

NOTE: When selecting courses in the areas of emphasis or as an elective, a maximum of 9 hours may be selected with business prefixes of: ACC, BPA (BUS), CIS, FIN, MGT, or MKT.

NOTE: A grade of a "C" is required in all TSM core and elective classes.