2013-14 CATALOG
BACHELOR OF SCIENCE DEGREE IN:

TELECOMMUNICATIONS SYSTEMS MANAGEMENT

SEM	GRADE	COURSE & TITLE - UNIVERSITY STUDIES, 44 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	
		MAT 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 PROBLEM SOLVING USING COMPUTERS Prereq: MAT ACT at least 20; MAT 097 or higher	3
		CSC 199 INTRODUCTION TO INFORMATION TECHNOLOGY Prereq: MAT 097 or MAT ACT at least 20	3
		ANY COURSE IN CATEGORY, 3 HOURS	3

SEM	GRADE	COURSE & TITLE	HRS
		REQUIRED COURSES, 59 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
		ECO 335 ECONOMICS & PUBLIC POLICY OF TELECOMMUNICATIONS INDUSTRY Prereq: ECO 231	3
		FIN 330 PRINCIPLES OF FINANCE Prereq: ACC 200 and junior standing	3
		IET 399 PROFESSIONAL DEVELOPMENT SEMINAR I	1
		MGT 350 FUNDAMENTALS OF MANAGEMENT Prereq: junior standing	3
		MKT 360 PRINCIPLES OF MARKETING Prereq: junior standing	3
		TSM 099 TRANSITIONS (F)	1
		TSM 133 TELECOMMUNICATIONS TECHNOLOGY AND METHODS	3
		TSM 232 OPERATING SYSTEMS Prereq: TSM 133	3
		TSM 233 NETWORK SERVICES Prereq: TSM 232	3
		TSM 241 NETWORKING FUNDAMENTALS Prereq: TSM 232	3
		TSM 301 TELECOMMUNICATIONS ELECTRONICS THEORY (S) Prereq: MAT 140	3
		TSM 320 INTRODUCTION TO WIRELESS TECHNOLOGY (F) Prereq: TSM 301	3
		TSM 343 PROTOCOL ANALYSIS (S) Prereq: TSM 232 and 241	3
		TSM 351 PRINCIPLES OF INFORMATION SECURITY (F) Prereq: CSC 235, MAT 135 (or CIS 243)	3
		TSM 411 NETWORK DESIGN, OPERATIONS, & MANAGEMENT Prereqs: CIS 317, TSM 241 and senior standing	3
		TSM 443 TELEPHONE TECHNOLOGY (S) Prereq: TSM 241	3
		TSM 488 COOPERATIVE EDUCATION/INTERNSHIP Prereq: TSM 241	3

REQUIRED ELECTIVES, 21 HOURS

*SELECT **21** HOURS FROM THE LIST OF CLASSES BELOW WITH APPROVAL OF ADVISOR*

*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	
		TSM 321 WIRELESS COMMUNICATIONS I (S) Prereq: TSM 320	3
		TSM 322 WIRELESS COMMUNICATIONS II (F) Prereq: TSM 321	3
		TSM 323 WIRELESS MOBILE INTERNET Prereq: TSM 321	3
		TSM 421 MOBILE SATELLITE COMMUNICATIONS (S) Prereq: TSM 321	3
		NETWORK SECURITY	
		TSM 352 SYSTEM SECURITY (S) Prereq: TSM 351 and TSM 343	3
		TSM 353 NETWORK SECURITY (F) Prereq: TSM 351 and TSM 343	3
		TSM 440 INFORMATION ASSURANCE POLICY AND MANAGEMENT Prereq: TSM 351	3
		TSM 441 ADVANCED INFORMATION SECURITY (S) Prereq: TSM 352	3
		SYSTEM ADMINISTRATION	
		CSC 310 DATABASE ADMINISTRATION Prereqs: CIS 307 and TSM 133	3
		CSC 360 SCRIPTING LANGUAGES Prereqs: Knowledge of at least one high-level programming language and a server operating system or consent of instructor	3
		TSM 450 TELECOMMUNICATIONS POLICY AND STRATEGIES Sr Standing or Instructor Permission	3
		TSM 517 SYSTEMS PLANNING Prereq: CIS 317	3

		APPROVED ELECTIVES (SEE ADVISOR FOR APPROVAL)	
		CSC 370 INTRODUCTION TO ARTIFICIAL INTELLIGENCE Prereqs: CSC 145 OR CSC 232 OR CSC 235	3
		ENG 324 TECHNICAL WRITING Prereqs: ENG 105 OR 150, or the equivalent	3
		MGT 358 ENTREPRENEURIAL BUSINESS PLAN DEVELOPMENT Prereqs: junior standing; ACC 200 and MGT 350	3
		MGT 443 MANAGEMENT OF OPERATIONS & TECHNOLOGY Prereqs: MGT 350 & CIS 343 or MAT 135	3
		MKT 475 MKT STRATEGIES IN E-COMMERCE Prereqs: BPA 355 and MKT 360	3
		TSM 444 WIDE AREA NETWORKS (F) Prereqs: TSM 343 and 443	3

TOTAL CURRICULUM REQUIREMENTS, 124 HOURS Dated: April 2013

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.