

**2011 – 2013 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 105	4
		MAT 140 COLLEGE ALGEBRA Prereq: ACT math score of at least 21 or MAT 105	4
		PHY 125/126 BRIEF INTRODUCTORY 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 HUMANITIES TRADITION	3
UNIVERSITY STUDIES ELECTIVES			
		CSC 199 INTRODUCTION TO INFORMATION TECHNOLOGY Prereq: MAT 105 or MAT ACT at least 20	3
		ANY COURSES IN CATEGORY, 6 HOURS	6

SEM	GRADE	COURSE & TITLE	HRS
REQUIRED COURSES, 58 HOURS			
		ACC 200 PRINCIPLES OF ACCOUNTING I	3
		ACC 201 PRINCIPLES OF ACCOUNTING II Prereq: ACC 200	.
		CIS 307 DECISION SUPPORT TECHNOLOGIES Prereq: CSC 101 and 199	3
		CIS 317 PRINCIPLES OF INFORMATION SYSTEMS ANALYSIS AND DESIGN Prereq: CSC 101; Coreq: CIS 307	3
		CSC 101 INTRO. PROBLEM SOLVING USING COMPUTERS Prereq: Math ACT of at least 20 or MAT 105 or higher)	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
		MGT 350 FUNDAMENTALS OF MANAGEMENT Prereq: junior standing	3
		MKT 360 PRINCIPLES OF MARKETING Prereq: junior standing	3
		TSM 099 FRESHMAN ORIENTATION (F)	1
		TSM 121 TELECOMMUNICATIONS ELECTRONICS PRINCIPLES Prereq: MAT 140	3
		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 133 or 232	3
		TSM 320 INTRODUCTION TO WIRELESS TECHNOLOGY Prereq: TSM 121	3
		TSM 343 PROTOCOL ANALYSIS Prereq: TSM 232 and 241	3
		TSM 411 NETWORK DESIGN, OPERATIONS, & MANAGEMENT Prereqs: CIS 317, TSM 241 and senior standing	3
		TSM 443 TELEPHONE TECHNOLOGY Prereq: TSM 241	3
		TSM 488 COOPERATIVE EDUCATION	3

REQUIRED ELECTIVES, 24 HOURS*SELECT 24 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 421 MOBILE SATELLITE COMMUNICATIONS (S) Prereq: TSM 322	3
NETWORK SECURITY			
		TSM 351 PRINCIPLES OF INFORMATION SECURITY (F) Prereq: CSC 101; Coreq: TSM 343	3
		TSM 352 SYSTEM SECURITY (S) Prereq: TSM 351	3
		TSM 353 NETWORK SECURITY (F) Prereq: TSM 351	3
		TSM 441 ADVANCED INFORMATION SECURITY (S) Prereq: TSM 352	3
SYSTEM ADMINISTRATION			
		CSC 235 PROGRAMMING IN C++ Prereq: CSC 101 or consent of instructor	3
		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 517 SYSTEMS PLANNING Prereq: CIS 317	3

APPROVED ELECTIVES (SEE ADVISOR FOR APPROVAL)

		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 440 INFORMATION ASSURANCE POLICY AND MANAGEMENT Prereq: TSM 352	3
		TSM 444 WIDE AREA NETWORKS Prereqs: TSM 343 and 443	3

TOTAL CURRICULUM REQUIREMENTS, 126 HOURS

Dated: August 2011