

SCHOOL OF ENGINEERING			
Degree: MASTER OF SCIENCE Credits: 33		CURRICULUM	
Program: TELECOMMUNICATIONS AND NETWORKS SYSTEMS ADMINISTRATION			
Description: The Masters of Science in Telecommunications and Network Administration provides students with an in-depth knowledge of the principles of a Converged Networks including design, implementation, security and management with a strong hands-on approach.			
Course Code	Course Title	Credits	Requisites
Required Courses			
TCOM 521	Introduction to Networking	3	
TCOM 513	IT Project Management	3	
TCOM 503	Introduction to TCP/IP	3	
NSEC 501	Network Security I	3	
TCOM 514	Telecommunications Governance I	3	TCOM 513
TCOM 556	IP Tel and Design and Implementation of Voice Networks	3	TCOM 503
TCOM 507	Convergence of Technologies	3	TCOM 503
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Elective Courses			
NSEC 502	Computer Security I	3	
NSEC 521	Network Security II	3	NSEC 501
NSEC 522	Computer Security II	3	NSEC 502
TCOM 515	Telecommunications Governance II	3	TCOM 514
TCOM 516	Telecommunications Management and Policy	3	TCOM 514
TCOM 607	Thesis Advisory	6	Permission of Thesis Advisor
TCOM 606	Network Design Project	6	Permission of Project Advisor
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Credits: 33			
Program: TELECOMMUNICATIONS AND NETWORKS SYSTEMS ADMINISTRATION			
Course Code	Course Title	Credits	Requisites
FIRST YEAR – FIRST SEMESTER			
TCOM 521	Introduction to Networking	3	
TCOM 513	IT Project Management	3	
TCOM 503	Introduction to TCP / IP	3	TCOM 521
		9	
FIRST YEAR – SECOND SEMESTER			
NSEC 501	Network Security I	3	TCOM 521
TCOM 514	Telecommunications Governance I	3	TCOM 513
TCOM 556	IP Tel & Design and Implementation of Voice Networks	3	TCOM 503
		9	
SECOND YEAR – FIRST SEMESTER			
Elective	Elective I	3	
Elective	Elective II	3	
TCOM 507	Convergence of Technologies	3	TCOM 556
		9	
* SECOND YEAR - SECOND SEMESTER			
TCOM 607 (9)	Thesis Advisory or TCOM 606 (8) Network Design Project	6	ADVISOR APPROVAL
	<ul style="list-style-type: none"> Thesis or Design Project Must be approved by Department or Advisor 	6	