

MASTER IN INFORMATION TECHNOLOGY

(Curriculum applicable to students who entered as freshmen beginning school year 2016-2017)

COURSE CODE	COURSE TITLE	CREDIT UNITS	REMARK
BRIDGING COURSES (24 units)			
IT201	Programming 1	3	
IT202	Programming 2	3	
IT203	Computer Organization	3	
IT204	Computer Networks and Data Communications	3	
IT205	Software Engineering	3	
IT206	Data Structures and Algorithms	3	
IT207	Operating Systems	3	
IT208	Database Management System	3	
CORE COURSES (18 units)			
IT211	Advanced Database Systems	3	
IT212	Advanced Systems Analysis and Design	3	
IT213	Technology and Project Management	3	
IT214	Web Application Development	3	
IT215	Advanced Operating System and Networking	3	
IT250	Methods of Research	3	
SPECIALIZATION COURSES (12 units)			
Network Management Track			
IT231	Network Security	3	
IT232	Network Administration	3	
IT233	Enterprise Network Architecture	3	
IT234	Network Governance and Risk Assessment	3	
Data Analytics Track			
IT241	Data Warehousing and Data Mining	3	
IT242	Statistical Analysis and Data Visualization	3	
IT243	Essential of Analytics	3	Prerequisite: IT242
IT244	Business Intelligence and Knowledge Management System	3	Prerequisite: IT243
MASTER'S THESIS			
IT251	Master's Capstone Project I	3	Prerequisite: IT250, Specialization courses
IT252	Master's Capstone Project II	3	Prerequisite: IT251
IT290	Graduate Research and Seminar	1	

TOTAL ACADEMIC UNITS : 37