

**KENYA METHODIST UNIVERSITY
COMPUTER SCIENCE DEPARTMENT
MSc. CIS COURSE STRUCTURE**

MSc CIS Programme Structure				
Year of Study	Course Code	Course Title	credit hours	
FIRST YEAR	First Trimester			
	MISG 610	Object Oriented Systems Analysis and Design	3	
	MISG 611	Research Methods	3	
	NTWG 610	Cloud Computing	3	
	ISEC 610	Information Systems Ethics and Security	3	
	Sub-Total			12
	Second Trimester			
	MMIS 631	Information Systems Strategy	3	
	MISG 620	Statistical Methods in IS	3	
	MISG 621	Project Management	3	
	MISG 622	Knowledge Management	3	
	Sub-Total			12
	Third Trimester (COURSES FOR SPECIFIC SPECIALIZATIONS)			
	Specialization I: Information Systems Management			
	MMIS 630	Business Intelligence	3	
	MMIS 620	Enterprise Resource Planning (ERP)	3	
	MMIS 632	Technology Management and Innovation	3	
	MISG 612	Global IS Sourcing and BPO	3	
	Sub-Total			12
	Specialization II: Networking			
	NTWG 630	Network Design and Management	3	
	NTWG 631	Distributed Systems Architecture and Design	3	
	NTWG 632	Wireless Communication Technologies	3	
NTWG 633	Networking Protocols and Design	3		
Sub-Total			12	
Specialization III: Information Systems Security				
ISEC 630	Information Systems Security Audit	3		
ISEC 631	Computer Security and Data Protection	3		
ISEC 632	Digital Forensics	3		
ISEC 633	Information Systems Security Governance	3		
Sub-Total			12	
Year TWO	Trimester One			
	MISG 640	IS Seminar	3	
	MCSR 650	Research Thesis	12	
	Sub-Total			15
Total Credit Hours for Programme			51	