Kenya Methodist University

School of Science and Technology Department of Pure and Applied Sciences

Student's Name:	
Registration number:	

S/No.	Course Code	Course Title	Credits	Old Code	Equivalent
	ESTER 1				_
1	COMP 101	Introduction to Computer Science	3		CISY 101
2	COMP 110	Introduction to Programming	3		CISY 110
3	MATH 102	Foundations of Mathematics	3		
4	MATH 103	Calculus I	3		
5	SOST 131	Introduction to Sociology	3		
6	THEO 111	Christian Beliefs	3		
			18		
RIM	ESTER 2				
1	COMM 111	Communication Skills	3		
2	COMP 104	Analogue Electronics	3	PHYS 100	CISY 104
3	COMP 111	Structured Programming	3		CISY 111
4	MATH 104	Calculus II	3		
5	MATH 110	Linear Algebra I	3		
6	MATH 132	Probability and Statistics I	3		
		·	18		
RIM	ESTER 3				
1	COMP 131	Introduction to Computer Networks	3	COMP 341	CISY 131
2	COMP 211	Object Oriented Programming	3		CISY 210
3	COMP 231	Telecommunication Networks	3		CISY 231
4	MATH 200	Calculus III	3		
5	MATH 210	Linear Algebra II	3		
	MATH 230	Probability and Statistics II	3		
		J	18		
RIM	ESTER 4				
	COMP 201	Computer Organization and Architecture	3		CISY 201
2	COMP 210	Data Structures	3		CISY 212
3	COMP 220	System Analysis and Design	3		CISY 222
	HSCI 225	HIV/AIDS	3		
5	MATH 211	Discrete Structures	3		
	MATH 220	Ordinary Differential Equations I	3		
		, 1	18		
RIM	ESTER 5				
	COMP 300	Operating Systems	3		CISY 300
	COMP 302	Digital Electronics	3		CISY 204
	COMP 340	Database Management System	3		CISY 221
	ENVI 201	Environmental Science	3		
	MATH 221	Vector Analysis	3		
	MATH 310	Real Analysis I	3		
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RIM	ESTER 6		10		
	BUSS 114	Fundamentals of Entrepreneurship	3		

2	2 COMP 303	Computer Hardware and Maintenance	3	CISY 303
	3 COMP 304	Research Methodology	3	CISY 302
	4 MATH 320	Numerical Analysis I	3	0101 002
	5 MATH 331	Operation Research I	3	
	6 PHYS 310	Electrical Circuits	3	
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TRIM	ESTER 7			
	1 COMP 400	Internship	3	
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TRIM	IESTER 8			
	1 COMP 311	Internet Applications and Programming	3	CISY 311
	2 COMP 422	Automata and Formal Language	3	CISY 402
	3 MATH 410	Complex Variable Theory I	3	0101 .02
	3 COMP 444	Network Hardware and Configuration	3	CISY 332
	MATH 420	Partial Differential Equations I	3	C15 1 332
	6 One Course in	*	3	
	one course in	Т	18	
TRIM	ESTER 9		10	
	COMP 445	Information Systems Security	3	CISY 431
	2 MATH 430	Operation Research II	3	C151 451
	3 COMP 401	Research Project	6	MATH 401
	4 One Course in		3	WIATITAGE
	One Course in		3	
	One Course in		18	
FLEC	TIVE (OPTIC	DN) COURSES	10	
ELEC	MATHEMA			
a.		IATHEMATICS		
	1 MATH 321	Classical Mechanics	3	
	2 MATH 322	Ordinary Differential Equations II	3	
	3 MATH 421	Partial Differential Equations II	3	
	4 MATH 422	Methods of Mathematical Physics	3	
	MATH 423	Fluid Mechanics I	3	
	6 MATH 424	Fluid Mechanics II		
	7 MATH 425	Dynamics 17		
	8 MATH 426	Numerical Analysis II		
	7 1111111111111111111111111111111111111	1 tamerical / marysis ii		
b.	STATISTIC	<u> </u>		
	1 MATH 332	Theory of Estimation	3	
	2 MATH 333	Sample Surveys	3	
	3 MATH 419	Measure Theory	3	
	4 MATH 431	Test of Hypotheses	3	
	5 MATH 432	Time Series	3	
	6 MATH 433	Design and Analysis of Experiment	3	
	7 MATH 434	Non-Parametric Methods	3	
	8 MATH 435	Econometrics	3	
	9 MATH 436	Probability and Stochastic Processes	3	
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C.	PURE MAT	HEMATICS	1	
	1 MATH 311	Real Anlysis II	3	
	2 MATH 414	General Topology	3	
	3 MATH 415	Functional Analysis	3	
	4 MATH 432	Theory of Estimation	3	
	MATH 412	Algebraic Structures	3	
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2.0 COMPUTER	SCIENCE		
a. SOFTWARE I			
1 COMP 31	1 Advanced Programming	3	CISY 310
2 COMP 31		3	CISY 421
3 COMP 42		3	CISY 321
4 COMP 42	1 Simulation and Modeling	3	CISY 403
5 COMP 43		3	CISY 412
6 COMP 44	0 Artificial Intelligence	3	CISY 422
7 COMP 44	1 Advanced Database Systems	3	CISY 423
8 BBIT 314	Human Computer Interaction	3	
b. COMPUTER	NETWORKS		
1 COMP 44	Object Oriented Analysis and Design	3	CISY 411
2 COMP 44	3 Distributed Systems	3	CISY 432
3 COMP 44	6 Wireless Communication	3	CISY 333
4 COMP 43	1 Digital Signal Processing	3	CISY 434
5 COMP 44	7 Cryptography and Network Security	3	CISY 433
6 COMP 44	8 Client Server Systems and Computing	3	CISY 436
7 COMP 44	9 Network Performance and Optimization	3	CISY 437
8	Multimedia Systems	3	CISY 426
9	Network Administration I		CISY 331
	Total Covered		
	TC		
	Total Required	147	
	Balance		