KENYA METHODIST UNIVERSITY

Department of Computer Science and Business Information

Bachelor of Science in Computer Information Systems

STUDENT COURSES TRACKING FORM

Registration NO:_____   **Names:**_____

TRIMESTER 1

	Course Code	Course Title	Credits	Grade	Remarks
1	THEO 111	Christian Beliefs	3		
2	SOST 131	Introduction to Sociology	3		
3	CISY 101	Introduction to Computer Systems	3		
4	CISY 110	Introduction to Programming	3		
5	MATH 102	Foundation of Mathematics	3		
6	MATH 110	Linear Algebra I	3		

TRIMESTER 2

	Course Code	Course Title	Credits	Grade	Remarks
1	COMM 111	Communication Skills	3		
2	CISY 104	Analog Electronics	3		
3	CISY 111	Structured Programming	3		
4	CISY 131	Introduction to Computer Networks	3		
5	MATH 103	Calculus I	3		
6	MATH 132	Probability and Statistics I	3		

TRIMESTER 3

	Course Code	Course Title	Credits	Grade	Remarks
1	HSCI 225	HIV/AIDS	3		
2	CISY 210	Object Oriented Programming	3		
3	CISY 221	Database Systems	3		
4	CISY 222	System Analysis and Design	3		
5	CISY 231	Telecommunication Networks I	3		
6	MATH 104	Calculus II	3		

TRIMESTER 4

	Course Code	Course Title	Credits	Grade	Remarks
1	ENVI 201	Environmental Science	3		
2	CISY 201	Computer Organization and Architecture	3		
3	CISY 212	Data Structures and Algorithms	3		
4	MATH 211	Discrete Structures	3		
5	MATH 230	Probability and Statistics II	3		
6	PHYS 310	Electrical Circuits	3		

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TRIMESTER 5

	Course Code	Course Title	Credits	Grade	Remarks
1	BUSS 221	Entrepreneurship	3		
2	CISY 303	Computer Hardware and Maintenance	3		
3	CISY 204	Digital Electronics	3		
4	CISY 300	Computer Operating Systems I	3		
5	CISY 302	Research Methodology	3		
6	CISY 310	Advanced Programming	3		

TRIMESTER 6

	Course Code	Course Title	Credits	Grade	Remarks
1	BBIT 314	Human Computer Interaction	3		
2	CISY 311	Internet Applications and Programming	3		
3	CISY 321	Software Engineering Principles	3		
4	MATH 330	Operations Research for Computer Scientists	3		
5	CISY 331	Network Administration I	3		
6		**One Course in Option**	3		
7	CISY 400	Industrial Attachment (Planning Stage)	0		

TRIMESTER 7

	Course Code	Course Title	Credits	Grade	Remarks
1	CISY 400	Industrial Attachment (Execution Stage)	3		

TRIMESTER 8

	Course Code	Course Title	Credits	Grade	Remarks
1	CISY 421	Management Information Systems	3		
2	CISY 422	Introduction to Artificial Intelligence	3		
3	CISY 431	Information Systems Security	3		
4	CISY 404	ICT Project Management	3		
5		**One Course in Option**	3		
6	CISY 401	CIS Research Project (Planning Stage)	3		

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TRIMESTER 9

	Course Code	Course Title	Credits	Grade	Remarks
1	CISY 403	Simulation and Modeling	3		
2	CISY 432	Distributed Systems	3		
3	CISY 401	CIS Research Project	3		
4	BUSS 420	Strategic Management	3		
5		**One Course in Option**	3		
6		**One Course in Option**	3		

OPTION COURSES

Courses Common to both Options

	Course Code	Course Title	Credits	Grade	Remarks
1	CISY 312	Microprocessor Programming	3		
2	CISY 313	Introduction to Logic Programming	3		
3	CISY 402	Automata and Formal Language	3		
4	CISY 411	Object Oriented Analysis and Design	3		
5	CISY 412	Mobile Computing	3		

Information Systems Option

	Course Code	Course Title	Credits	Grade	Remarks
1	CISY 423	Advanced Database Systems	3		
2	CISY 424	Introduction to Neural Networks	3		
3	CISY 425	Robotics	3		
4	CISY 426	Multimedia Systems	3		
5	CISY 427	Introduction to Expert Systems	3		
6	CISY 428	E-commerce	3		

Computer Networks Option

	Course Code	Course Title	Credits	Grade	Remarks
1	CISY 332	Network Hardware and Configuration	3		
2	CISY 333	Wireless Communication	3		
3	CISY 433	Cryptography and Network Security	3		
4	CISY 434	Digital Signal Processing	3		
5	CISY 435	Network Administration II	3		
6	CISY 436	Client Server Systems and Computing	3		
7	CISY 437	Network Performance and Optimization	3		