

KENYA METHODIST UNIVERSITY
SCHOOL OF COMPUTING AND INFORMATICS
DEPARTMENT OF INFORMATION TECHNOLOGY
BACHELOR OF SCIENCE IN CYBERSECURITY AND ETHICAL HACKING

STUDENT COURSES TRACKING FORM

Registration NO: _____

Names: _____

YEAR 1					
SN	UNITCODE	FIRST TRIMESTER	CH	GRADE	REMARK
1	COMM 111	Communication Skills	3		
2	BUSS 114	Entrepreneurship	3		
3	THEO 111	Christian Beliefs	3		
4	MATH 102	Foundations of Mathematics	3		
5	HSCI 225	HIV/AIDS	3		
6	BCEH 111	Introduction to Computer Systems and Security	3		
YEAR 1					
SN	UNITCODE	SECOND TRIMESTER	CH	GRADE	REMARK
1	BCEH 121	Operating Systems Security	3		
2	BCEH 122	Database Systems	3		
3	BCEH 123	Differential and Integral Calculus	3		
4	BCEH 124	Introduction to Programming	3		
5	BCEH 126	Introduction to Cybersecurity and Digital Forensics	3		
6	MATH 132	Probability and Statistics I	3		
YEAR 1					
SN	UNITCODE	THIRD TRIMESTER	CH	GRADE	REMARK
1	BCEH 211	Computer Networks	3		
2	BCEH 212	Computer Systems Architecture	3		
3	BCEH 213	Physics for Computing Systems and Digital Electronics	3		
4	BCEH 214	Human Psychology and Philosophy	3		
5	MATH 110	Linear Algebra	3		
6	ENVI 201	Environmental Science	3		
YEAR 2					
SN	UNITCODE	FIRST TRIMESTER	CH	GRADE	REMARK
1	BCEH 221	Software Engineering	3		
2	BCEH 222	Digital Forensics and Investigations	3		
3	BCEH 223	Digital Forensics Tools and Technologies	3		
4	BCEH 224	Introduction to Machine Learning	3		
5	BCEH 215	Internet of Things (IoT) Security	3		
6	MATH 211	Discrete Mathematics	3		

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YEAR 2					
SN	UNITCODE	SECOND TRIMESTER	CH	GRADE	REMARK
1	BCEH 312	Penetration Testing and Ethical Hacking	3		
2	BCEH 313	Distributed Systems	3		
3	BCEH 314	Intrusion Detection and Prevention Techniques	3		
4	BCEH 315	Systems Forensics	3		
5	BCEH 316	Research Methods	3		
6	Elective	Elective-1	3		
		ELECTIVE (1)			
1	BCEH 317	Blockchain and Cryptocurrency Security	3		
2	BCEH 318	Advanced Penetration Testing	3		
3	BCEH 319	Threat Intelligence and Analysis	3		
4	BCEH 311	Network Design and Management	3		
YEAR 2					
SN	UNITCODE	THIRD TRIMESTER	CH	GRADE	REMARK
1	BCEH 321	Cryptography and Steganography	3		
2	BCEH 322	Malware Detection and Analysis	3		
3	MATH 230	Probability and statistics II	3		
4	BCEH 326	Computer Network Security	3		
5	Elective	Elective 2	3		
6	Elective	Elective 3	3		
		ELECTIVES (2)			
1	BCEH 327	Social Engineering and Psychological Exploits	3		
2	BCEH 328	Reverse Engineering and Malware Analysis	3		
3	BCEH 329	Mobile Application Security	3		
4	BCEH 330	IoT and Embedded Systems Security	3		
5	BCEH 325	Distributed Databases	3		
6	BCEH 324	Web Security and Privacy	3		
YEAR 3					
SN	UNITCODE	FIRST TRIMESTER	CH	GRADE	REMARK
1	BCEH 411	Information Systems Control and Audit	3		
2	BCEH 413	Artificial Intelligence	3		
3	BCEH 416	Security Analytics and Visualization	3		
4	BCEH 417	Incident Response and Recovery	3		
5	Elective	Elective 4	3		

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6	Elective	Elective 5	3	
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		ELECTIVES (2)			
1	BCEH 418	Secure DevOps (DevSecOps)	3		
2	BCEH 430	Game Theory in Cybersecurity	3		
3	BCEH 431	Ethical Hacking with AI and Machine Learning	3		
4	BCEH 412	Secure Software Development	3		
5	BCEH 414	Database Management Systems Security	3		
6	BCEH 415	Cloud Computing Security	3		
		YEAR 3			
SN	UNITCODE	SECOND TRIMESTER	CH	GRADE	REMARK
1	BCEH 422	Advanced Information Security Management	3		
3	BCEH 423	Emerging Cybersecurity Technologies and Digital Forensics Bootcamps	3		
4	BCEH 424	Systems Security Risk Management	3		
5	BCEH 425	Simulation and Modelling	3		
2	BCEH 426	Cybersecurity Governance Laws, Policy and Ethics	3		
6	BCEH 427	Digital Markets Architecture and Security	3		
7	BCEH 428	Research Project-Proposal	3		
		YEAR 3			
SN	UNITCODE	THIRD TRIMESTER	CH	GRADE	REMARK
1	BCEH 428	Research Project-Execution			
2	BCEH 429	Industrial Attachment-External	3		