

For BsIT

YEAR ONE SEMESTER ONE					
Course Code	Course Name	LH	P/TH	CH	CU
ICT 1101	Fundamentals of Computing	30	60	60	4
BIT 1102	Structured Programming using C	30	60	60	4
BIT 1103	Mathematics for Information Technology	45	00	45	3
BIT 1104	Internet Technologies & Web Page Authoring	30	60	60	4
BIT 1105	Information Systems Fundamentals	45	00	45	3
ETH 1101	Ethics and Integrity	45	00	45	3
CWS 1101	Communication and Writing Skills	45	00	45	3
KLS 1101	Kiswahili Basic Language Skills	45	00	45	3
					25
SEMESTER TWO					
Course Code	Course Name	LH	P/TH	CH	CU
BIT 1201	Fundamentals of Statistics	45	00	45	3
BIT 1202	Programming Methodology I – (C++)	30	60	60	4
BIT 1203	Operating Systems	45	00	45	3
BIT 1204	Computer Networking	30	60	60	4
BIT 1205	Database Management Systems	30	60	60	4
ENT 1201	Principles of Entrepreneurship	45	00	45	3

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ENV 1201	Principles of Environmental Management	45	00	45	3
KLS 1201	Kiswahili Language Intermediate Skills	45	00	45	3
					27

2.2 Year Two Courses

SEMESTER ONE					
Course Code	Course Name	LH	P/TH	CH	CU
BIT 2101	Object Oriented Programming I with C#	30	60	60	4
BIT 2102	Database Design and Programming	30	60	60	4
BIT 2103	Network Systems Admin	45	00	45	3
BIT 2104	Management Information Systems and Web Technology	45	00	45	3
BIT 2105	Programming Methodology II with Python	45	30	60	4
BIT 2106	Fundamentals of Computing Research Methods	45	00	45	3
BIT2107	Computer Graphics	45	00	45	3
					24
SEMESTER TWO					
Course Code	Course Name	LH	P/TH	CH	CU
BIT 2201	Object Oriented Programming II with Java	30	60	60	4
BIT 2202	Software Engineering	45	30	60	4
BIT 2203	Information and Computer Security	45	00	45	3
BIT 2204	Development Group Projects	45	00	45	3
BIT 2205	Systems Administration and Trouble shooting	30	60	60	4
BIT 2206	Routing and Switching Essentials	45	00	45	3
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Recess Semester

BIT 2301	Industrial Training (Recess Semester)	00	120	60	4
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2.3 Year Three Courses

SEMESTER ONE					
Course Code Course Name		LH	P/TH	CH	CU
BIT 3101	Mobile Application Programming	30	60	60	4
BIT 3102	Human Computer Interaction	45	30	45	3
BIT 3103	Electronic commerce and digital markets	30	60	60	4
BIT 3104	Business intelligence and data ware Housing	45	-	60	4
BIT 3105	Managing and Planning IT projects	45	30	60	4
BIT 3106	WAN Technologies	45	30	60	4
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SEMESTER TWO					
Course Code Course Name		LH	P/TH	CH	CU
BIT 3201	Artificial intelligence	30	60	60	4
BIT 3202	Scripting Languages	30	60	60	4
BIT 3203	Introduction to Data Science	30	60	60	4
BIT 3204	IT Ethics, Audit, and Compliance	45	00	45	3
BIT 3205	Final Year Research Project	00	90	45	3
					20