

## COMPUTER SCIENCE PROGRAMME STRUCTURE

YEAR 1 SEMESTER 1				
Course Code	Course Title	Credits		
		T	P	C
ICT 111	Introduction to Information Technology	2	2	3
ICT 112	Web Site Design and Authoring Tools	2	2	3
CSC 111	Programming Principles	2	2	3
MAT 111	Linear Algebra	3	0	3
WES 103	Communicative Skills I	2	0	2
WES 101	African Studies	2	0	2
<b>Credits Total</b>		<b>13</b>	<b>6</b>	<b>16</b>

YEAR 1 SEMESTER 2				
Course Code	Course Title	Credits		
		T	P	C
ICT 121	Database Management Systems	2	2	3
CSC 122	Object Oriented Programming I	2	2	3
WES 104	Communicative Skills II	3	0	3
BBA 101	Introduction to Business	3	0	3
MAT 121	Calculus I	3	0	3
<b>Credits Total</b>		<b>13</b>	<b>4</b>	<b>15</b>

YEAR 2 SEMESTER 1				
Course Code	Course Title	Credits		
		T	P	C
CSC 231	Computer Networks	2	2	3
ICT 232	Computer Graphics	2	2	3
BBA 212	Business Communications	3	0	3
MAT 231	Calculus II	3	0	3
CSC 232	Object Oriented Programming II	2	2	3
CSC 233	Analog Electronics	2	2	3
<b>Credits Total</b>		<b>14</b>	<b>8</b>	<b>18</b>

<b>YEAR 2 SEMESTER 2</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>		
		<b>T</b>	<b>P</b>	<b>C</b>
CSC 241	Data Communications	2	2	3
CSC 242	Human Computer Interface	2	2	3
ICT 242	Web Programming and Technologies	2	2	3
MAT 241	Probability and Statistics	3	0	3
MAT 242	Discrete Mathematics	3	0	3
CSC 244	Digital Electronics	2	2	3
<b>Credits Total</b>		<b>14</b>	<b>8</b>	<b>18</b>

<b>YEAR 3 SEMESTER 1</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>		
		<b>T</b>	<b>P</b>	<b>C</b>
CSC 351	Data Structures and Algorithms	2	2	3
CSC 352	Computer Security	3	0	3
ICT 351	Legal, Ethical and Social Issues in IT	3	0	3
ICT 352	Electronic Commerce	3	0	3
MAT 351	Operations Research	2	2	3
CSC 353	Numerical Analysis	3	0	3
<b>Credits Total</b>		<b>16</b>	<b>4</b>	<b>18</b>

<b>YEAR 3 SEMESTER 2</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>		
		<b>T</b>	<b>P</b>	<b>C</b>
CSC 361	Software Engineering	2	2	3
CSC 362	Operating Systems	3	0	3
ICT 361	Management Information Systems	3	0	3
BBA 104	Principles of Management	3	0	3
CSC 363	Mobile and Distributed Computing	3	0	3
CSC 364	Computer Systems Architecture	2	2	3
<b>Credits Total</b>		<b>16</b>	<b>4</b>	<b>18</b>

<b>YEAR 4 SEMESTER 1</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>		
		<b>T</b>	<b>P</b>	<b>C</b>
CSC 471	Mobile Programming	2	2	3
ICT 471	Information Systems Project Management	3	0	3
ENT 301	Foundations of Entrepreneurship	3	0	3
ICT 473	IT Research Methods	3	0	3
CSC 472	Advanced Web Programming	3	0	3
CSC 473	*Internship	0	0	0
<b>Credits Total</b>		<b>14</b>	<b>2</b>	<b>15</b>

**\*Internship is optional, but students are encouraged to undertake vacation attachment with computer science related industries and businesses to gain field experiences.**

<b>YEAR 4 SEMESTER 2</b>				
<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>		
		<b>T</b>	<b>P</b>	<b>C</b>
CSC 480	CSC Project	0	6	6
N/A	Elective 1	N/A	N/A	3
N/A	Elective 2	N/A	N/A	3
N/A	Elective 3	N/A	N/A	3
<b>Credits Total</b>		<b>N/A</b>	<b>N/A</b>	<b>15</b>

