

**PROGRAMME MODULE STRUCTURE: BACHELOR OF EDUCATION WITH
HONOURS IN MATHEMATICS AND COMPUTER (BSED)**

YEAR	BAED	Programme	Bachelor of Education with Honours in Mathematics and Computer		
	Code	Module Code	Module Title	No. of Credits per module	
	Level 1				
YEAR 1	Year 1 Trim. 1	COS 1101	Communication skills	10 credits	
		COL 1101	Computer literacy	10 credits	
		HUM 1101	Humanities	10 credits	
		CSE 1101	Introduction to information Technology	10 credits	
		MAT 1101	Mathematics Analysis I	10 credits	
		CSE 1101	Computer Basics	10 credits	
			<i>SUB-TOTAL 1</i>	<i>60 credits</i>	
	Year 1 Trim. 2	MAT 1201	Statistics and Probability	10 credits	
		IRM 1201	Introduction to Research methodology	10 credits	
		EDP 1201	Educational psychology	15 credits	
		EDG 1201	General pedagogy and methodology	15 credits	
		MAT 1201	Linear algebra and Geometry	10 credits	
			<i>Sub-total 2</i>	<i>60 credits</i>	
			<i>Total</i>	<i>120 credits</i>	
	Year 2	Level 2 Trim. 3	CSE 2301	Basic Mathematics for computing	10 credits
			MAT 2301	Mathematics Analysis II	10 credits
			EDH 2301	Human developmental psychology	15 credits
			CSE 2302	General Physics for Computing Science	15 credits
		Year 2 Trim.1	EDC 2301	Curriculum studies	10 credits
				<i>SUB-TOTAL 3</i>	<i>60 credits</i>
			CSE 2104	Artificial Intelligence	10 credits
CSE 2104			Object oriented Programming with C ++	10 credits	
EDF 2101			Foundation of education	15 credits	
EDS 2101			Mathematics and Computer Teaching Methods	15 credits	
CSE 2105			Electromagnetism for Computer Science	10 credits	
			<i>SUB-TOTAL 4</i>	<i>60 credits</i>	
			<i>Total</i>	<i>120 credits</i>	
Level 3			ENT 3201	Entrepreneurship Skills	10 credits
Year 2 Trim.2		EDM 3201	School management and Administration	10 credits	
		CSE 3201	Computer Graphic and multimedia	15 credits	
		CSE 3202	Electronics	15 credits	
	EDR 3201	Educational research	10 credits		
		<i>SUB-TOTAL 5</i>	<i>60 credits</i>		

	Level 4				
	Year 2 Trim. 3	CSE 4301	Operating System	10 credits	
		CSE 4302	Computer Architecture and Assembly	10 credits	
		MAT 4301	Functional Analysis	10 credits	
		EDM 4301	Educational Measurement and evaluation	10 credits	
		CSE 4303	Data Communication and Computer networks	10 credits	
		MAT 4302	Numerical Analysis and Linear Programming	10 credits	
			<i>SUB-TOTAL 6</i>		<i>60 credits</i>
			<i>Total</i>		<i>120 credits</i>
Year 3	Level 5				
	Year 3 Trim. 1	MAT 5101	Stochastics Processes	10 credits	
		CSE 5101	Database and Software Engineering	10 credits	
		CSE 5102	Internet Programming	10 credits	
		MAT 5102	Group Theory	10 credits	
		MAT 5103	Data Analysis	10 credits	
		MAT 5104	Multivariate Analysis	10 credits	
			<i>SUB-TOTAL 7</i>		<i>60 credits</i>
	Year 3 Trim. 2	EDE 5201	Educational Technology and microteaching	10 credits	
		EDT 5201	Teaching and School Practice	30 credits	
		RSP 5201	Dissertation	20 credits	
			<i>Sub-Total</i>		<i>60 credits</i>
			<i>Total</i>		<i>120 credits</i>
		TOTAL	<i>GENERAL TOTAL</i>		<i>480 CREDITS</i>