

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

<b>YEAR</b>	<b>BAED</b>	<b>Programme</b>	<b>Bachelor of Education with Honours in Mathematics and Computer</b>		
	<b>Code</b>	<b>Module Code</b>	<b>Module Title</b>	<b>No. of Credits per module</b>	
	Level 1	<b>Award: Certificate of Higher Education</b>			
<b>YEAR 1</b>	<b>Year 1</b> Trim. 1	COM 1101	Communication skills	<b>10 credits</b>	
		COL 1101	Computer literacy	<b>10 credits</b>	
		HUM 1101	Humanities (philosophy, Ethics and sociology)	15 credits	
		CSE 1101	Introduction to information Technology	<b>10 credits</b>	
		MAT 1101	Mathematics Analysis I	<b>15 credits</b>	
			<b>SUB-TOTAL 1</b>	<b>60 credits</b>	
	<b>Year 1</b> Trim. 2	CSE 1201	Computer Basics	<b>10 credits</b>	
		MAT 1201	Statistics and Probability	<b>10 credits</b>	
		IRM 1201	Introduction to Research methodology	10 credits	
		EDP 1201	<b>Fundamental psychology</b>	15 credits	
		EDG 1201	General pedagogy and methodology	15 credits	
			<b>Sub-total 2</b>	<b>60 credits</b>	
			<b>Total</b>	<b>120 credits</b>	
	<b>Level 2</b> Trim. 3	<b>Award: Diploma in Higher Education</b>			
		MAT 2301	Linear algebra and Geometry	<b>15 credits</b>	
		CSE 2301	Basic Mathematics for computing	<b>20 credits</b>	
		MAT 2302	Mathematics Analysis II	<b>10 credits</b>	
		EDH 2301	Human developmental psychology	<b>15 credits</b>	
			<b>SUB-TOTAL 3</b>	<b>60 credits</b>	
		CSE 2101	General Physics for Computing Science	<b>15 credits</b>	

<b>Year 2</b>	Year 2 Trim.1	EDC 2101	Curriculum studies	10 credits
		CSE 2102	Artificial Intelligence	<b>15 credits</b>
		CSE 2102	Object oriented Programming with C ++	<b>10 credits</b>
		EDF 2101	Foundation of education	<b>10 credits</b>
			<b><i>SUB-TOTAL 4</i></b>	<b><i>60 credits</i></b>
			<b><i>Total</i></b>	<b><i>120 credits</i></b>
	Level 3		<b>Award: Advanced Diploma in Higher Education</b>	
	Year 2 Trim.2	EDS 3201	Mathematics and Computer Teaching Methods	<b>15 credits</b>
		CSE 3201	Electromagnetism for Computer Science	<b>10 credits</b>
		ENT 3201	Entrepreneurship Skills	<b>10 credits</b>
		EDL 3201	School management and Legislation	10 credits
		CSE 3201	Computer Graphic and multimedia	<b>15 credits</b>
			<b><i>SUB-TOTAL 5</i></b>	<b><i>60 credits</i></b>
	Level 4		<b>Award: Ordinary Degree in Education</b>	
	Year 2 Trim. 3	CSE 4301	Electronics	<b>10 credits</b>
		EDR 4301	Educational research	10 credits
		CSE 4301	Operating System	<b>10 credits</b>
		CSE 4302	Computer Architecture and Assembly	<b>10 credits</b>
		MAT 4302	Functional Analysis	<b>10 credits</b>
		EDM 4301	Educational Measurement and evaluation	10 credits
			<b><i>SUB-TOTAL 6</i></b>	<b><i>60 credits</i></b>
			<b><i>Total</i></b>	<b><i>120 credits</i></b>
	<b>Year 3</b>	<b>Level 5</b>	<b>Award: Bachelor's Degree in Education with Honours in History and Geography</b>	
<b>Year</b>		CSE 5101	Data Communication and Computer networks	<b>15 credits</b>

	<b>3 Trim. 1</b>	MAT 5101	Numerical Analysis and Linear Programming	<b>15 credits</b>
		MAT 5102	Stochastics Processes	<b>15 credits</b>
		CSE 5102	Database and Software Engineering	<b>15 credits</b>
			<b><i>SUB-TOTAL 7</i></b>	<b><i>60 credits</i></b>
	<b>Year 3 Trim. 2</b>	5201	Internet Programming	<b>15 credits</b>
		MAT 5201	Group Theory	<b>10 credits</b>
		MAT 5202	Data Analysis	<b>10 credits</b>
		MAT 5203	Multivariate Analysis	<b>10 credits</b>
		EDE 5201	Educational Technology and microteaching	15 credits
			<b>SUB-TOTAL 8</b>	<b>60 credits</b>
			<b>TOTAL 8</b>	<b>120 credits</b>
	<b>Year 3 Trim. 3</b>	EDT 5301	Teaching and School Practice	30 credits
		RSP 5301	Research Project	30 credits
			<b><i>SUBTOTAL 9</i></b>	<b>60 credits</b>
			<b><i>Total</i></b>	<b>120 credits</b>
		<b>TOTAL</b>	<b><i>GENERAL TOTAL</i></b>	<b><i>480 CREDITS</i></b>