

**PROGRAMME MODULE STRUCTURE: BACHELOR OF EDUCATION
WITH HONOURS IN MATHEMATICS AND CHEMISTRY-Bed (Hons)**

YEAR		Programme	Bachelor of Education with Honours in Mathematics and Chemistry		
	Levels & Trim.	Module Code	Module Title	Number of Credits per module	
YEAR 1	Level 1	Trim. 1	COM 1101	Communication skills	10 credits
			COL 1101	Computer literacy	10 credits
			HUM 1101	Humanities	10 credits
			CHE 1101	General Chemistry	10 credits
			MAT 1101	Mathematics Analysis I	10 credits
			CHE 1102	Aromatic and Natural products	10 credits
				Sub-total 1	60 credits
	Trim. 2	MAT 1102	Statistics and Probability I	10 credits	
		IRM 1201	Introduction to Research Methodology	10 credits	
		EDP 1201	Human Development Psychology	10 credits	
		EDG 1201	General Pedagogy and Teaching Methodology	15 credits	
		MAT 1201	Linear algebra and Geometry I	15 credits	
			Sub-total 2	60 credits	
			Total	120 credits	
Year 2	Level 2	Trim. 3			
	Trim.1	CHE 2301	Basic and Practical Physical Chemistry	15 credits	
		MAT 2302	Mathematics Analysis II	10 credits	
		EDE 2301	Educational Psychology	15 credits	
		CHE 2302	Electrochemistry and Analytical Chemistry	10 credits	
		EDC 2301	Curriculum studies	10 credits	
			Sub-total 3	60 credits	
		MAT 2103	Linear algebra and Geometry II	10 credits	
		CHE 2103	Basic and Practical Organic Chemistry	10 credits	
		EDF 2101	Foundation of Education	15 credits	
		EDS 2101	Mathematics and Chemistry Teaching Methods	15 credits	
		CHE 2101	Stereochemistry and reaction mechanisms	10 credits	
			Sub-total 4	60 credits	
	Total	120 credits			
Level 3	ENT 3201	Entrepreneurship Skills	10 credits		
	EDM 3201	School Management and Administration	10 credits		

	Trim.2	MAT 3201	Statistics and Probability II	10 credits
		CHE 3201	Basic and Practical inorganic Chemistry	10 credits
		EDR 3201	Educational Research	10 credits
		MAT 3201	Mathematics Analysis III	10 credits
			<i>Sub-total 5</i>	<i>60 credits</i>
	Level 4			
	Trim. 3	MAT 4301	Functional Analysis	10 credits
		EDM 4301	Educational Measurement and evaluation	10 credits
		CHE 4301	Periodicity and transition metals	15 credits
		MAT 4302	Numerical Analysis and Linear Programming	15 credits
		MAT 4303	Stochastics Processes	10 credits
		<i>Sub-total 6</i>	<i>60 credits</i>	
	<i>Total</i>	<i>120 credits</i>		
Year 3	Level 5			
	Trim. 1	CHE 5102	Thermochemistry and Thermodynamics	15 credits
		CHE 5103	Polymer Chemistry and Biochemistry	15 credits
		MAT 5101	Group Theory	10 credits
		MAT 5102	Data Analysis	10 credits
		MAT 5103	Multivariate Analysis	10 credits
			<i>Sub-total 7</i>	<i>60 credits</i>
	Trim. 2		<i>Total 8</i>	120 credits
	Trim.3	EDE 5201	Educational Technology and Microteaching	10 credits
		EDT 5301	Teaching and School Practice	30 credits
		EDD 5301	Dissertation	20 credits
			<i>Sub-total 9</i>	<i>60 credits</i>
			<i>Total</i>	<i>120 credits</i>
	TOTAL	GENERAL TOTAL	480 CREDITS	