

SECTION II: PROGRAM STRUCTURE AND MODULES DISTRIBUTION

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

YEAR	BSED	Programme	Bachelor of Education with Honours in Mathematics and Physics	
	Code	Module Code	Module Title	Number of Credits per module
	Level 1	Award: Certificate of Higher Education		
YEAR 1	Year 1 Trim. 1	COM 1101	Communication skills	10 credits
		COL 1101	Computer literacy	10 credits
		HUM 1101	Humanities	15 credits
		PHY 1101	Classical Mechanics	10 credits
		MAT 1101	Mathematics Analysis I	15 credits
			Sub-total 1	60 credits
	Year 1 Trim. 2	PHY 1202	Properties of Matter and Thermodynamics	10 credits
		MAT 1202	Statistics and Probability I	10 credits
		IRM 1201	Introduction to Research methodology	10 credits
		EDP 1201	Fundamental psychology	15 credits
		EDG 1201	General pedagogy and methodology	15 credits
			Sub-total 2	60 credits
			Total	120 credits
	Year 2	Level 2 Trim. 3	Award: Diploma in Higher Education	
MAT 2301			Linear algebra and Geometry I	15 credits
PHY 2301			Electromagnetism	10 credits
PHY 2302			Waves and Optics	10 credits
MAT 2302			Mathematics Analysis II	10 credits
EDH 2301			Human developmental psychology	15 credits
		Sub-total 3	60 credits	
Year 2 Trim.1		PHY 2103	Modern Physics	10 credits
		EDC 2101	Curriculum studies	10 credits
		MAT 2103	Linear algebra and Geometry II	15 credits
		PHY 2104	Special relativity and Electrodynamics	15 credits
		EDF 2101	Foundation of education	10 credits
			Sub-total 4	60 credits
			Total	120 credits
	Level 3		Award: Advanced Diploma in Higher Education	

	Year 2 Trim.2	EDS 3201	Mathematics and Physics Teaching Methods	15 credits		
		PHY 3201	Analytical Mechanics	10 credits		
		ENT 3201	Entrepreneurship Skills	10 credits		
		EDL 3201	School management and Legislation	10 credits		
		MAT 3201	Statistics and Probability II	15 credits		
			Sub-total 5	60 credits		
	Level 4	Award: Ordinary Degree in Education				
	Year 2 Trim. 3	PHY 4301	Mathematical Physics	10 credits		
		EDR 4301	Educational research	10 credits		
		MAT 4301	Mathematics Analysis III	10 credits		
		PHY 4302	Solid State Physics	10 credits		
		MAT 4302	Functional Analysis	10 credits		
		EDM 4301	Educational Measurement and evaluation	10 credits		
			Sub-total 6	60 credits		
		Total	120 credits			
	Year 3	Level 5	Award: Bachelor's Degree in Education with Honours in Mathematics and Physics			
		Year 3 Trim. 1	PHY 5101	Quantum Mechanics	15 credits	
MAT 5101			Numerical Analysis and Linear Programming	15 credits		
MAT 5102			Stochastic Processes	15 credits		
PHY 5102			Statistical Physics	15 credits		
			Sub-total 7	60 credits		
Year 3 Trim. 2		PHY 5203	Atomic Physics	15 credits		
		MAT 5203	Group Theory	10 credits		
		MAT 5204	Data Analysis	10 credits		
		MAT 5205	Multivariate Analysis	10 credits		
		EDE 5201	Educational Technology and microteaching	15 credits		
			Sub-total 8	60 credits		
		Total 8	120 credits			
Year 3 Trim.3		EDT 5301	Teaching and School Practice	30 credits		
		RSP 5301	Research Project	30 credits		
			Sub-total 9	60 credits		
			Total	120 credits		
	TOTAL	GENERAL TOTAL		480 CREDITS		