

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

<b>YEAR</b>		<b>Programme</b>	<b>Bachelor of Education with Honours in Mathematics and Physics</b>	
	<b>Levels &amp; Trim</b>	<b>Module Code</b>	<b>Module Title</b>	<b>Number of Credits per module</b>
	<b>Level 1</b>			
<b>YEAR 1</b>	<b>Trim. 1</b>	COM 1101	Communication Skills	<b>10 credits</b>
		COL 1101	Computer Literacy	<b>10 credits</b>
		HUM 1101	Humanities	<b>10 credits</b>
		PHY 1101	Classical Mechanics	<b>10 credits</b>
		MAT 1101	Mathematics Analysis I	<b>10 credits</b>
		PHY 1102	Properties of Matter and Thermodynamics	<b>10 credits</b>
			<b>Sub-total 1</b>	<b>60 credits</b>
	<b>Trim. 2</b>	MAT 1202	Statistics and Probability I	<b>10 credits</b>
		IRM 1201	Introduction to Research Methodology	<b>10 credits</b>
		EDP 1201	Educational Psychology	<b>15 credits</b>
		EDG 1201	General pedagogy and teaching methodology	<b>15 credits</b>
		MAT 1201	Linear algebra and Geometry I	<b>10 credits</b>
			<b>Sub-total 2</b>	<b>60 credits</b>
		<b>Total</b>	<b>120 credits</b>	
<b>Year 2</b>	<b>Level 2</b>			
	<b>Trim. 3</b>	PHY 2301	Electromagnetism	<b>10 credits</b>
		PHY 2302	Waves and Optics	<b>10 credits</b>
		MAT 2301	Mathematics Analysis II	<b>10 credits</b>
	<b>Trim.1</b>	EDH 2301	Human Developmental Psychology	<b>10 credits</b>
		PHY 2303	Modern Physics	<b>10 credits</b>
		EDC2301	Curriculum studies	<b>10 credits</b>
			<b>Sub-total 3</b>	<b>60 credits</b>
		MAT 2103	Linear algebra and Geometry II	<b>10 credits</b>
		PHY 2104	Special relativity and Electrodynamics	<b>10 credits</b>
		EDF 2101	Foundation of education	<b>15 credits</b>
		EDS 2101	Mathematics and Physics Teaching Methods	<b>15 credits</b>
		PHY 2105	Analytical Mechanics	<b>10 credits</b>
			<b>Sub-total 4</b>	<b>60 credits</b>
		<b>Total</b>	<b>120 credits</b>	
	<b>Level 3</b>	ENT 3201	Entrepreneurship Skills	<b>10 credits</b>
	<b>Trim.2</b>	EDM 3201	School Management and Administration	<b>10 credits</b>
MAT 3201		Statistics and Probability II	<b>10 credits</b>	
PHY 3201		Mathematical Physics	<b>10 credits</b>	
EDR 3201		Educational research	<b>10 credits</b>	

		MAT 3202	Mathematics Analysis III	<b>10 credits</b>	
			<i>Sub-total 5</i>	<i>60 credits</i>	
	<b>Level 4</b>				
	<b>Trim. 3</b>	PHY 4301	Solid State Physics	<b>10 credits</b>	
		MAT 4301	Functional Analysis	<b>10 credits</b>	
		EDM 4301	Educational Measurement and evaluation	<b>10 credits</b>	
		PHY 4302	Quantum Mechanics	<b>15 credits</b>	
		MAT 4302	Numerical Analysis and Linear Programming	<b>15 credits</b>	
				<i>Sub-total 6</i>	<i>60 credits</i>
				<i>Total</i>	<i>120 credits</i>
<b>Year 3</b>	<b>Level 5</b>				
	<b>Trim. 1</b>	MAT 5101	Stochastic Processes	<b>10 credits</b>	
		PHY 5101	Statistical Physics	<b>10 credits</b>	
		PHY 5102	Atomic Physics	<b>10 credits</b>	
		MAT 5102	Group Theory	<b>10 credits</b>	
		MAT 5103	Data Analysis	<b>10 credits</b>	
		MAT 5103	Multivariate Analysis	<b>10 credits</b>	
				<i>Sub-total 7</i>	<i>60 credits</i>
		EDE 5201	Educational Technology and Microteaching	<b>10 credits</b>	
	<b>Trim.3</b>	EDT 5301	Teaching and School Practice	<b>30 credits</b>	
		EDD 5301	Dissertation	<b>20 credits</b>	
				<i>Sub-total 9</i>	<b>60 credits</b>
				<i>Total</i>	<b>120 credits</b>
			<b>TOTAL</b>	<b>GENERAL TOTAL</b>	<b>480 CREDITS</b>