

**PROGRAMME MODULE STRUCTURE: ADVANCED DIPLOMA OF EDUCATION IN  
MATHEMATICS AND COMPUTER**

<b>YEAR</b>		<b>Programme</b>	<b>Advanced Diploma of Education in Mathematics and Computer</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>	
		CSE 1101	Introduction to information Technology	<b>10 credits</b>	
		HUM 1101	Humanities	<b>10 credits</b>	
		CSE 1102	Computer Basics	<b>10 credits</b>	
		MAT 1101	Mathematics Analysis	<b>10 credits</b>	
		CSE 1103	Basic Mathematics for computing	<b>10 credits</b>	
			<b>Sub-total 1</b>	<b>60 credits</b>	
	<b>Trim. 2</b>	MAT 1202	Statistics and Probability	<b>10 credits</b>	
		RME 1201	Research Methodology in Education	<b>10 credits</b>	
		EDP 1201	Educational Psychology	<b>10 credits</b>	
		EDG 1201	General pedagogy and teaching methodology	<b>10 credits</b>	
		MAT 1203	Linear algebra and Geometry	<b>10 credits</b>	
		CSE 1204	General Physics for Computing Science	<b>10 credits</b>	
			<b>Sub-total 2</b>	<b>60 credits</b>	
		<b>Total</b>	<b>120 credits</b>		
<b>Year 2</b>			EDH 2301	Human Developmental Psychology	<b>10 credits</b>
			EDC 2301	Curriculum studies	<b>10 credits</b>
		EDF 2301	Foundation of education	<b>10 credits</b>	
		EDS 2301	Mathematics and computer Teaching Methods	<b>10 credits</b>	
		CSE 2301	Artificial Intelligence	<b>10 credits</b>	
		ENT 2301	Entrepreneurship Skills	<b>10 credits</b>	
			<b>Sub-total 3</b>	<b>60 credits</b>	
		CSE 2101	Object oriented Programming with C ++	<b>10 credits</b>	
		CSE 2102	Electromagnetism for Computer Science	<b>10 credits</b>	
		MAT 2101	Functional Analysis	<b>10 credits</b>	
		EDM 2101	Educational Measurement and evaluation	<b>10 credits</b>	
		CSE 2103	Computer Graphic and multimedia	<b>10 credits</b>	
		MAT 2102	Numerical Analysis and Linear Programming	<b>10 credits</b>	
			<b>Sub-total 4</b>	<b>60 credits</b>	
		<b>Total</b>	<b>120 credits</b>		
	<b>Level 3</b>	MAT 3201	Data Analysis	<b>10 credits</b>	
	<b>Trim.2</b>	CSE 3202	Operating System	<b>10 credits</b>	
		EDE 3201	Educational Technology and Microteaching	<b>10 credits</b>	
		EDT 3201	Teaching and School Practice	<b>30 credits</b>	
			<b>Sub-total 5</b>	<b>60 credits</b>	
		<b>TOTAL</b>	<b>GENERAL TOTAL</b>	<b>300 CREDITS</b>	