

Study Plan for Diploma in Mathematics

Year	Course Code	Course Name	Pre-requisites	Credit Hours	Course Code	Course Name	Pre-requisites	Credit Hours
Semester One (Pre-Major)					Semester Two			
1	ARAB100	Arabic Language I		3	ARAB101	Arabic Language II	ARAB100	3
	ENGL150	English Language I		3	ENGL152	English Language II	ENGL150	3
	HIST150	Islamic Civilization		3	STAT101	Introduction to Statistics		4
	COMP101/L	Computer Skills	COMP-A/B, Digital Literacy	3	MATH221	Foundation of Mathematics	MATH116	3
	MATH116	Pre-Calculus		4	MATH211	Calculus I	MATH116	4
Semester Total				16	Semester Total			
				17				
Semester Three					Semester Four			
2	MATH212	Calculus II	MATH211	3	MATH259	Calculus III	MATH212	3
	MATH145	Linear Algebra I	MATH116	3	MATH310	Introduction to Group Theory	MATH221	3
	COMP151/L	Introduction to Algorithms	COMP101/L	4	MATH215	Ordinary Differential Equations.	MATH212	3
	ENGL155	Communication Skills	ENGL152	3	MATH420	Final Year Project	Complete 45 Credits	2
	MATH340	Introduction to Number Theory	MATH221	3	MATH365	Linear Algebra II	MATH145	3
Semester Total				16	Semester Total			
				14				
Semester Five								
3	MATH410	Complex Analysis I	MATH259M ATH360	3				
	MATH360	Real Analysis I	MATH221	3				
	MATH315	Partial Differential Equations		3				
Semester Total				9				
Grand Total: 72								