

Study Plan for B.Sc. 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	MATH 221	Foundations of Mathematics	MATH116	3	
	COMP101/L	Computer Skills	Comp A/B, Digital Literacy	3	MATH211	Calculus I	MATH116	4	
	MATH116	Pre-Calculus		4	STAT101	Introduction to Statistics		4	
Semester Total				16	Semester Total				17
Semester Three					Semester Four				
2	COMP151/L	Int. to Algorithms	COMP101/L	4	PHYS150	General Physics II	MATH116	4	
	PHYS101/L	General Physics I	MATH116	4	CHEM101/L	General Chemistry I		4	
	MATH212	Calculus II	MATH211	3	MATH259	Calculus III	MATH212	3	
	MATH145	Linear Algebra I	MATH116	3	MATH340	Introduction to Number Theory	MATH221	3	
	ENGL155	Comm. Skills	ENGL152	3		Department Elective		3	
Semester Total				17	Semester Total				17
Semester Five					Semester Six				
3	MATH215	Ordinary Differential Equations	MATH212	3	MATH310	Introduction to Group Theory	MATH221	3	
	MATH360	Real Analysis I	MATH221	3	MATH365	Linear Algebra II	MATH245	3	
		Department Elective		3	MATH315	Partial Differential Equations	MATH215	3	
		Department Elective		3		Department Elective		3	
		College Elective		3		Department Elective		3	
					MNGT100	Entrepreneurship Creativity and Innovation		3	
Semester Total				15	Semester Total				18



Semester Seven					Semester Eight				
4	MATH410	Complex Analysis I	MATH259	3	MATH421	Final Year Project		3	
	MATH421	Final Year Project		3		Department Elective		3	
		Department Elective		3		Department Elective		3	
		Department Elective		3		Department Elective		3	
		Department Elective		3		College Elective		3	
		University Elective		3		Department Elective		2	
	Semester Total				18	Semester Total			
Grand Total: 135									