

KAZI NAZRUL UNIVERSITY			FACULTY OF SCIENCE, TECHNOLOGY AND VOCATIONAL STUDIES		DEGREE PROGRAMME: CHEMISTRY				M.SC IN		WITH EFFECT FROM THE ACADEMIC SESSION: 2022-23							
Abbreviated Degree	Discipline	Abbreviated Degree Programme	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks		
											Practical	Theoretical	Practical	Theoretical				
M.SC	CHEMISTRY	MSCCHEM	I	Inorganic Chemistry General - I	C	MSCCHEMC101	CC-1	4 - 0 - 0	4	24		15		35	50	300		
				Organic Chemistry General - I	C	MSCCHEMC102	CC-2	4 - 0 - 0	4			15		35	50			
				Physical Chemistry General - I	C	MSCCHEMC103	CC-3	4 - 0 - 0	4			15		35	50			
				Analytical Chemistry General - I	C	MSCCHEMC104	CC-4	4 - 0 - 0	4			15		35	50			
				Inorganic Chemistry General - II	C	MSCCHEMC105	CC-5	0 - 0 - 8	4		30		20		50			
				Organic Chemistry General - II	C	MSCCHEMC106	CC-6	0 - 0 - 8	4		30		20		50			
			II	Inorganic Chemistry General - III	C	MSCCHEMC201	CC-7	4 - 0 - 0	4	28		15		35	50	350		
				Organic Chemistry General - III	C	MSCCHEMC202	CC-8	4 - 0 - 0	4			15		35	50			
				Physical Chemistry General - II	C	MSCCHEMC203	CC-9	4 - 0 - 0	4			15		35	50			
				Analytical Chemistry General - II	C	MSCCHEMC204	CC-10	4 - 0 - 0	4			15		35	50			
				Physical Chemistry General - III	C	MSCCHEMC205	CC-11	0 - 0 - 8	4		30		20		50			
				Analytical Chemistry General - III	C	MSCCHEMC206	CC-12	0 - 0 - 8	4		30		20		50			
				Choose from Pool of Minor Electives	MIE	See Pool	MIEC-1	See Pool	4			See Pool			50			
			III	Advanced Inorganic Chemistry General	C	MSCCHEMC301	CC-13	4 - 0 - 0	4	24		15		35	50	300		
				Advanced Organic Chemistry General	C	MSCCHEMC302	CC-14	4 - 0 - 0	4			15		35	50			
				Advanced Physical Chemistry General	C	MSCCHEMC303	CC-15	4 - 0 - 0	4			15		35	50			
				Inorganic Chemistry Major - I	Group-A	MJE (Any One Group)	MSCCHEMMJE301	MJEC-1 & MJEC-2	4 - 0 - 0		4X2=8	24		15			35	50X2=100
				Inorganic Chemistry Major - II			MSCCHEMMJE302		0 - 0 - 8				30		20			
				Organic Chemistry Major - I	Group-B	MSCCHEMMJE303	4 - 0 - 0		15			35						
				Organic Chemistry Major - II		MSCCHEMMJE304	0 - 0 - 8	30			20							
				Physical Chemistry Major - I	Group-C	MSCCHEMMJE305	4 - 0 - 0		15			35						
				Physical Chemistry Major - II		MSCCHEMMJE306	0 - 0 - 8	30			20							
				Choose from Pool of Minor Electives	MIE	See Pool	MIEC-2	See Pool	4			See Pool			50			
			IV	Advanced Analytical Chemistry General	C	MSCCHEMC401	CC-16	4 - 0 - 0	4	22		15		35	50	300		
				Term Paper - Project	C	MSCCHEMC402	CC-17	3 - 0 - 6	6			30		20			50	
				Inorganic Chemistry Major - III	Group-A	MJE (Continuation of previous Group)	MSCCHEMMJE401	MJEC-3, MJEC-4 & MJEC-5	4 - 0 - 0		4X3=12	22		15			35	50X3=150
				Inorganic Chemistry Major - IV			MSCCHEMMJE402		4 - 0 - 0					15			35	
				Inorganic Chemistry Major - V			MSCCHEMMJE403		0 - 0 - 8				30		20			
				Organic Chemistry Major - III	Group-B	MSCCHEMMJE404	4 - 0 - 0		15			35						
				Organic Chemistry Major - IV		MSCCHEMMJE405	4 - 0 - 0		15			35						
Organic Chemistry Major - V	MSCCHEMMJE406	0 - 0 - 8		30			20											
Physical Chemistry Major - III	Group-C	MSCCHEMMJE407		4 - 0 - 0		15		35										
Physical Chemistry Major - IV		MSCCHEMMJE408		4 - 0 - 0		15		35										
Physical Chemistry Major - V		MSCCHEMMJE409		0 - 0 - 8	30		20											
Total Credit and Marks										98	1200							
Abbreviations: C= Core; CC=Core Course; MJE= Major Elective; MJEC= Major Elective Course; MIE= Minor Elective; MIEC= Minor Elective Course; CA Marks= Continuous Assessment Marks; ESE Marks= End Semester Examination Marks; L= Lecture Hour; T= Tutorial Hour; P= Practical Hour/ Field Work and NA= Not Applicable																		
Pool of Minor Elective [Offered by the Department of Chemistry for all other Departments across faculties]. Student has to choose at least one Minor Elective from other departments except his/her own department.																		
Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks				
									Practical	Theoretical	Practical	Theoretical						
CHEMISTRY	II	Supramolecular and Medicinal Chemistry	MIE	MSCCHEMMIE201	MIEC-1	4 - 0 - 0	4	NA		15		35	50	NA				
	III	Advanced Chemistry General	MIE	MSCCHEMMIE301	MIEC-2	0 - 0 - 8	4	NA	30		20		50	NA				