

 KAZI NAZRUL UNIVERSITY				FACULTY OF SCIENCE, TECHNOLOGY & VOCATIONAL STUDIES			3-Year UG Degree /4-Year UG Degree (Honours) / 4-Year UG Degree (Honours with Research)			WITH EFFECT FROM THE ACADEMIC SESSION: 2023-24								
Abbreviated Degree	Discipline	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				
BSC	Chemistry	3-year UG Degree	I	General Chemistry - I	MAJOR	BSCCEMMJ101	MJC-1	3 - 0 - 4	5	20	30	15	20	35	100	350		
				Choose from the Pool of Minor Courses offered in 1st Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-1	See Pool	5		See Pool				100			
				Choose from the Pool of Multidisciplinary Courses offered in 1st Semester across the faculties	MD	See Pool	MDC-1	2 - 1 - 0	3			15		35	50			
				English/MIL Communication	AE	See Pool	AEC-1	4 - 0 - 0	4			15		35	50			
				Industrial Chemistry	SE	BSCCEMSE101	SEC-1	2 - 1 - 0	3			15		35	50			
			II	General Chemistry - II	MAJOR	BSCCEMMJ201	MJC-2	3 - 0 - 4	5	20	30	15	20	35	100	350		
				Choose from the Pool of Minor Courses offered in 2nd Semester by other Disciplines within the faculty	MINOR	Corresponding Course Code of Minor opted in 1st Semester	MNC-2	See Pool	5		See Pool				100			
				Choose from the Pool of Multidisciplinary Courses offered in 2nd Semester across the faculties	MD	See Pool	MDC-2	2 - 1 - 0	3			15		35	50			
				Environment Studies	VA	VA201	VAC-1	4 - 0 - 0	4			15		35	50			
				Pharmaceutical Chemistry	SE	BSCCEMSE201	SEC-2	2 - 1 - 0	3			15		35	50			
			Student exiting the programmes after securing 40 credits will be awarded UG Certificate in the relevant Discipline/Subject provided they secure following 4 credits in work based vocational courses / summer internship during 1st year															
			II	Vocational Course	Any One	VC	VC201	VCC-1	0 - 0 - 8	4	24	30		20		50	400	
				Summer Internship		SI	SI201	SIC-1										
			III	Inorganic Chemistry-I	MAJOR	BSCCEMMJ301	MJC-3	3 - 0 - 4	5	22	30	15	20	35	100	400		
				Physical Chemistry-I	MAJOR	BSCCEMMJ302	MJC-4	3 - 0 - 4	5		30	15	20	35	100			
				Choose from the Pool of Minor Courses offered in 3rd Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-3	See Pool	5		See Pool				100			
				Choose from the Pool of Multidisciplinary Courses offered in 3rd Semester across the faculties	MD	See Pool	MDC-3	2 - 1 - 0	3			15		35	50			
				MIL/English Communication	AE	See Pool	AEC-2	4 - 0 - 0	4			15		35	50			
			Students who opted English in SEM-I have to opt for any course from MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -III and Students who opted MIL (Bengali/Hindi/Urdu/Alternative English) in SEM -I have to opt English in SEM -III															
			IV	Organic Chemistry-I	MAJOR	BSCCEMMJ401	MJC-5	3 - 0 - 4	5	22	30	15	20	35	100	400		
Physical Chemistry-II	MAJOR	BSCCEMMJ402		MJC-6	3 - 0 - 4	5	30	15	20		35	100						
Choose from the Pool of Minor Courses offered in 4th Semester by other Disciplines within the faculty	MINOR	See Pool		MNC-4	See Pool	5	See Pool				100							
Fuel Chemistry	SE	BSCCEMSE401		SEC-3	2 - 1 - 0	3		15			35	50						
Choose from the Pool of Value Added Course offered in 4th Semester	VA	See Pool		VAC-2	See Pool	4		15			35	50						
Student exiting the programmes after securing 84 credits will be awarded UG Diploma in the relevant Discipline/Subject provided they secure following 4 credits in work based vocational courses / summer internship during 2nd year																		
IV	Vocational Course	Any One	VC	VC401	VCD-1	0 - 0 - 8	4	26	30		20		50	450				
	Summer Internship		SI	SI401	SID-1													
V	Inorganic Chemistry-II	MAJOR	BSCCEMMJ501	MJC-7	3 - 0 - 4	5	20	30	15	20	35	100	400					
	Organic Chemistry-II	MAJOR	BSCCEMMJ502	MJC-8	3 - 0 - 4	5		30	15	20	35	100						
	Physical Chemistry-III	MAJOR	BSCCEMMJ503	MJC-9	3 - 0 - 4	5		30	15	20	35	100						

		Choose from the Pool of Minor Courses offered in 5th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-5	See Pool	5		See Pool	100			
VI	Inorganic Chemistry-III	MAJOR	BSCCEMMJ601	MJC-10	3 - 0 - 4	5	22	30	15	20	35	100	450
	Inorganic Chemistry-IV	MAJOR	BSCCEMMJ602	MJC-11	3 - 0 - 4	5		30	15	20	35	100	
	Organic Chemistry-III	MAJOR	BSCCEMMJ603	MJC-12	3 - 0 - 4	5		30	15	20	35	100	
	Physical Chemistry-IV	MAJOR	BSCCEMMJ604	MJC-13	3 - 0 - 4	5		30	15	20	35	100	
	Summer Internship	SI	SI601	SIMC-1	0 - 0 - 4	2		30		20		50	
		Total Credit and Marks	TOTAL CREDIT				126	TOTAL MARKS				2350	

Students who want to undertake 3-year UG programme will be awarded UG Degree in the relevant Discipline / Subject upon securing 126 credits

4 - Year UG Degree (Honours)	VII	Inorganic Chemistry-V	MAJOR	BSCCEMMJ701	MJC-14	3 - 0 - 4	5	25	30	15	20	35	100	500
		Organic Chemistry-IV	MAJOR	BSCCEMMJ702	MJC-15	3 - 0 - 4	5		30	15	20	35	100	
		Organic Chemistry-V	MAJOR	BSCCEMMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100	
		Physical Chemistry-V	MAJOR	BSCCEMMJ704	MJC-17	3 - 0 - 4	5		30	15	20	35	100	
		Choose from the Pool of Minor Courses offered in 7th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-6	See Pool	5		See Pool				100	
	VIII	Advanced General Chemistry-I	MAJOR	BSCCEMMJ801	MJC-18	3 - 0 - 4	5	22	30	15	20	35	100	500
		Advanced Inorganic Chemistry-I	MAJOR	BSCCEMMJ802	MJC-19	2 - 0 - 4	4		30	15	20	35	100	
		Advanced Organic Chemistry-I	MAJOR	BSCCEMMJ803	MJC-20	2 - 0 - 4	4		30	15	20	35	100	
		Advanced Physical Chemistry-I	MAJOR	BSCCEMMJ804	MJC-21	2 - 0 - 4	4		30	15	20	35	100	
		Choose from the Pool of Minor Courses offered in 8th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-7	See Pool	5		See Pool				100	
		Total Credit and Marks	TOTAL CREDIT				173	TOTAL MARKS				3350		

Students who want to undertake 4-year UG Honours program will be awarded UG Degree (Honours) in the relevant Discipline / Subject provided they secure 173 credits

4 - Year UG Degree (Honours with Research)	VII	Inorganic Chemistry-V	MAJOR	BSCCEMMJ701	MJC-14	3 - 0 - 4	5	25	30	15	20	35	100	500
		Organic Chemistry-IV	MAJOR	BSCCEMMJ702	MJC-15	3 - 0 - 4	5		30	15	20	35	100	
		Organic Chemistry-V	MAJOR	BSCCEMMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100	
		Physical Chemistry-V	MAJOR	BSCCEMMJ704	MJC-17	3 - 0 - 4	5		30	15	20	35	100	
		Choose from the Pool of Minor Courses offered in 7th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-6	See Pool	5		See Pool				100	
	VIII	Advanced General Chemistry-I	MAJOR	BSCCEMMJ801	MJC-18	3 - 0 - 4	5	22	30	15	20	35	100	500
		Research Methodology and Ethics	RP	BSCCEMRP801	RPC-1	4 - 0 - 0	4			30		70	100	
		Research Project / Dissertation	RP	BSCCEMRP802	RPC-2	0 - 0 - 16	8		120		80		200	
		choose from the Pool of Minor Courses offered in 8th Semester by other Disciplines within the faculty	MINOR	See Pool	MNC-7	See Pool	5		See Pool				100	
				Total Credit and Marks	TOTAL CREDIT				173	TOTAL MARKS				

Students who want to undertake 4-year UG Honours with Research program will be awarded UG Degree (Honours with Research) in the relevant Discipline / Subject provided they secure 173 credits

Abbreviations: MJ= Major;MJC= Major Course;MN= Minor;MNC= Minor Course; AE= Ability Enhancement; AEC= Ability Enhancement Course; SE= Skill Enhancement; SEC= Skill Enhancement Course; MD= Multidisciplinary ; MDC= Multidisciplinary Course; SI - Summer Internship;SIC - Summer Internship for Certificate; SID:Summer Internship for Diploma; SIMC - Summer Internship Mandatory Course; RP= Research Project ;RPC= Research Project Course; VA= Value Added;VAC= Value Added Course; VC= Vocational Course; VCC= Vocational Course for Certificate; VCD= Vocational Course for Diploma; CA= Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable

Education	III	Any One	Indian Education	MD	MDC306	MDC-3	2 - 1 - 0	3	NA	15	35	50	NA
Political Sc			Indian Polity and Economy		MDC307								
Philosophy			Methodology of Indian Knowledge System		MDC308								
Geology			Remote Sensing and GIS		MDC309								
Physical Education			Indian Medical System and Yoga		MDC310								
Urdu			Urdu Gajal		MDC311								
Commerce			Indian Economy		MDC312								
Computer Science			Impact of Artificial Intelligence in Education		MDC313								
Physiology			Community Health Care		MDC314								

Pool of Value Added Courses offered in Semester-IV for all Disciplines across all Faculties

Offered By 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			
Physiology	IV	Any One	VA	VAC401	VAC-2	4 - 0 - 0	4	NA	30	15	20	35	50	NA	
Philosophy				Social Values and Ethics											VAC402
Computer Science				Digital and Technological Solutions											VAC403
History				Understanding India											VAC404
Economics				Sustainable Development: Issues and Challenges											VAC405
Commerce				Goods and Services Tax											VAC406
Political Science				Basics of Indian Constitution											VAC407
Physical Education				Integrated Self Defence		VAC408									0- 2 - 4