



KAZI NAZRUL UNIVERSITY

Abbreviated Degree		Abbreviated Degree Programme	Semester
			I
			II
			Student
		BSCCEM	III
			IV

BSCH

CHEMISTRY

V

VI

VII

**4 YEARS DEGREE
WITH HONOURS**

VIII

VII

		4 YEARS DEGREE WITH HONOURS WITH RESEARCH	
			VIII

Abbreviations: MJC= Major (Core); AE= Ability Enhancement

Note: Minor Courses (MNC) : Student of a particular UG Course v studying the same minor course, opted in the 1st semester. Explan

Semesterwise Pool of Multidisciplinary Courses offered by this Dis

Discipline	Semester
MD	I
	II
	III

Pool of Communication Courses offered as Ability Enhancement C	
Discipline	Semester
English/MIL Communication	I

FACULTY OF SCIENCE

Course Name

CHEMISTRY MAJOR	GENERAL CHEMISTRY - I
MINOR COURSE- Choose from the Pool of Minor Courses offered in 1st Semester by the other Disciplines	GENERAL CHEMISTRY - I
Choose from the Pool of Multidisciplinary Courses offered in 1st Semester	PHYSICAL SCIENCE
English/MIL Communication	
Industrial Chemistry	INDUSTRIAL CHEMISTRY
CHEMISTRY MAJOR	GENERAL CHEMISTRY - II
MINOR COURSE- Minor Course opted for in the 1st semester should be continued in the 2nd semester with syllabus content of 2nd semester	GENERAL CHEMISTRY - II
Choose from the Pool of Multidisciplinary Courses offered in 2nd Semester	
Environment Studies	
Pharmaceutical Chemistry	PHARMACEUTICAL CHEMISTRY
exiting the programmes after securing 40 credits will be awarded UG Certificate in the relevant Discipline/Su	
CHEMISTRY MAJOR	INORGANIC CHEMISTRY-I
CHEMISTRY MAJOR	PHYSICAL CHEMISTRY-I
MINOR COURSE- Choose from the Pool of Minor Courses offered in 3rd Semester by the other Disciplines	INORGANIC & ORGANIC CHEMISTRY
Choose from the Pool of Multi-Disciplinary Courses offered in 3rd Semester	
English Communication	
CHEMISTRY MAJOR	ORGANIC CHEMISTRY-I
CHEMISTRY MAJOR	PHYSICAL CHEMISTRY-II
MINOR COURSE- Choose from the Pool of Minor Courses offered in 4th Semester by the other Disciplines	ORGANIC & PHYSICAL CHEMISTRY
Fuel Chemistry	
Health and Wellness	
Social Values and Ethics	(Any One)

Understanding India	
Students exiting the programmes after securing 80 credits will be awarded UG Diploma in the relevant field	
CHEMISTRY MAJOR	INORGANIC CHEMISTRY-II
CHEMISTRY MAJOR	ORGANIC CHEMISTRY-II
CHEMISTRY MAJOR	PHYSICAL CHEMISTRY-III
MINOR COURSE- Choose from the Pool of Minor Courses offered in 5th Semester by the other Disciplines	INORGANIC & PHYSICAL CHEMISTRY
CHEMISTRY MAJOR	INORGANIC CHEMISTRY-III
CHEMISTRY MAJOR	INORGANIC CHEMISTRY-IV
CHEMISTRY MAJOR	ORGANIC CHEMISTRY-III
CHEMISTRY MAJOR	PHYSICAL CHEMISTRY-IV
Summer Internship	
Total Credit and Marks	

Students who want to undertake 3-year UG programme

CHEMISTRY MAJOR	INORGANIC CHEMISTRY-V
CHEMISTRY MAJOR	ORGANIC CHEMISTRY-IV
CHEMISTRY MAJOR	ORGANIC CHEMISTRY-V
CHEMISTRY MAJOR	PHYSICAL CHEMISTRY-V
MINOR COURSE- Choose from the Pool of Minor Courses offered in 7th Semester by the other Disciplines	ADVANCED PHYSICAL CHEMISTRY
CHEMISTRY MAJOR	ADVANCED GENERAL CHEMISTRY-I
CHEMISTRY MAJOR	ADVANCED INORGANIC CHEMISTRY-I
CHEMISTRY MAJOR	ADVANCED ORGANIC CHEMISTRY-I
CHEMISTRY MAJOR	ADVANCED PHYSICAL CHEMISTRY-I
MINOR COURSE- Choose from the Pool of Minor Courses offered in 8th Semester by the other Disciplines	ADVANCED INORGANIC & ORGANIC CHEMISTRY
Total Credit and Marks	

Students will be awarded UG Degree (Honour)

CHEMISTRY MAJOR	INORGANIC CHEMISTRY-IV
CHEMISTRY MAJOR	INORGANIC CHEMISTRY-V
CHEMISTRY MAJOR	ORGANIC CHEMISTRY-V
CHEMISTRY MAJOR	PHYSICAL CHEMISTRY-V

MINOR COURSE- Choose from the Pool of Minor Courses offered in 7th Semester by the other Disciplines	ADVANCED PHYSICAL CHEMISTRY
CHEMISTRY MAJOR	ADVANCED GENERAL CHEMISTRY-I
CHEMISTRY MAJOR	RESEARCH PROJECT / DISSERTATION
MINOR COURSE- Choose from the Pool of Minor Courses offered in 8th Semester by the other Disciplines	ADVANCED INORGANIC & ORGANIC CHEMISTRY
Total Credit and Marks	

Students will be awarded UG Degree (Honours) with

AECC= Ability Enhancement Compulsory Course; MNC= Minor (Core); SE= Skill Enhancement; SA= Skill Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial

Students will choose from the Pool of Minor Courses offered by disciplines other than the major discipline opted for. If a student of PHYSICS Major, opts for a Minor Course offered by Chemistry in 1st semester then

Minor Course for other Honours Disciplines

Course Name	
Physical science (Dept. of Physics/Chemistry)	(Any One)
E-Commerce (Dept. of Commerce/BBA)	
Human Rights (Dept. of Pol Science)	
Disaster Management (Dept. of Geography/Geology)	
Film Appreciation (Department of English)	
Business Environment (Dept of Commerce)	(Any One)
Adhunik Bangla sahitya (Dept. of PHYSICS)	
Adhunik Hindi sahitya (Dept. of Hindi)	
Application of Bio-Science (Dept of Zoology/Botany/ Microbiology)	
Educational Philosophy (Dept, of Education)	
Sports and Fitness (Dept. of Physical Education)	(Any One)
Mathematical Science (Dept. of Mathematics)	
Cultural History of Bengal (Dept. of History)	
Business Management (Dept. of BBA)	
Nutrition and Public Health (Dept. of Nutrition)	
Business Management (Dept. of BBA)	

Compulsary Courses

Course Name	
English Communication	(Any One)
Bengali Communication	
Hindi Communication	
Urdu Communication	

DEGREE PROGRAMME: 3 YEARS DEGREE WITH CHEMISTRY/4 YEARS DEGREE WITH CHEMISTRY HONOURS/ 4 YEARS DEGREE WITH CHEMISTRY HONOURS WITH RESEARCH	WITH EFFECT FROM
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Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Practical
MAJOR	BSCCEMMJ101	MJC-1	3 - 0 - 4	5	20	30
MINOR	BSCCEMMN101	MNC-1	3 - 0 - 4	5		
MD	See Pool	MDC-1	3 - 0 - 0	3		
AEC	See Pool	AEC-1	4 - 0 - 0	4		
SEC	BSCCEMSE101	SEC-1	2 - 1 - 0	3		
MAJOR	BSCCEMMJ201	MJC-2	3 - 0 - 4	5	20	
MINOR	BSCCEMMN201	MNC-2	3 - 0 - 4	5		
MD	See Pool	MDC-2	3 - 0 - 0	3		
VAC	VAC-201	VAC-1	4 - 0 - 0	4		
SEC	BSCCEMSE201	SEC-2	2 - 1 - 0	3		
Subject provided they secure 4 credits in work based vocational courses offered during summer term or internships courses earned during first and second semester						
MAJOR	BSCCEMMJ301	MJC-3	3 - 0 - 4	5	22	
MAJOR	BSCCEMMJ302	MJC-4	3 - 0 - 4	5		
MINOR	BSCCEMMN301	MNC-3	3 - 0 - 4	5		
MD	See Pool	MD-3	2 - 1 - 0	3		
AE	See Pool	AECC-2	4 - 0 - 0	4		
MAJOR	BSCCEMMJ401	MJC-5	3 - 0 - 4	5	22	
MAJOR	BSCCEMMJ402	MJC-6	3 - 0 - 4	5		
MINOR	BSCCEMMN401	MNC-4	3 - 0 - 4	5		
SEC	BSCCEMSE-401	SEC-3	2 - 1 - 0	3		
VAC	VAC-401	VAC-2	4 - 0 - 0	4		
	VAC-402		4 - 0 - 0			

	VAC-404		4 - 0 - 0			
vant Discipline/Subject provided they secure additional 4 credits in skill based vocational courses offered						
MAJOR	BSCCEMMJ501	MJC-7	3 - 0 - 4	5	20	
MAJOR	BSCCEMMJ502	MJC-8	3 - 0 - 4	5		
MAJOR	BSCCEMMJ503	MJC-9	3 - 0 - 4	5		
MINOR	BSCCEMMN501	MNC-5	3 - 0 - 4	5		
MAJOR	BSCCEMMJ601	MJC-10	3 - 0 - 4	5	22	
MAJOR	BSCCEMMJ602	MJC-11	3 - 0 - 4	5		
MAJOR	BSCCEMMJ603	MJC-12	3 - 0 - 4	5		
MAJOR	BSCCEMMJ604	MJC-13	3 - 0 - 4	5		
SI	BSCCEMSI601	SI-1	0 - 0 - 4	2		15
TOTAL CREDIT					126	TOTAL MARKS

programme will be awarded UG Degree in the relevant Discipline / Subject upon securing 126 credits

MAJOR	BSCCEMMJ-701	MJC-14	3 - 0 - 4	5	25	
MAJOR	BSCCEMMJ-702	MJC-15	3 - 0 - 4	5		
MAJOR	BSCCEMMJ-703	MJC-16	3 - 0 - 4	5		
MAJOR	BSCCEMMJ-704	MJC-17	3 - 0 - 4	5		
MINOR	BSCCEMMN701	MNC-6	4 - 1 - 0	5		
MAJOR	BSCCEMMJ-801	MJC-18	3 - 0 - 4	5	22	
MAJOR	BSCCEMMJ-802	MJC-19	3 - 0 - 4	4		
MAJOR	BSCCEMMJ-803	MJC-20	3 - 0 - 4	4		
MAJOR	BSCCEMMJ-804	MJC-21	3 - 0 - 4	4		
MINOR	BSCCEMMN801	MNC-7	4 - 1 - 0	5		
TOTAL CREDIT					173	TOTAL MARKS

s) in the relevant Discipline / Subject provided they secure 173 credits

MAJOR	BSCCEMMJ-701	MJC-14	3 - 0 - 4	5	25	
MAJOR	BSCCEMMJ-702	MJC-15	3 - 0 - 4	5		
MAJOR	BSCCEMMJ-703	MJC-16	3 - 0 - 4	5		
MAJOR	BSCCEMMJ-704	MJC-17	3 - 0 - 4	5		

MINOR	BSCCEMMN701	MNC-6	4 - 1 - 0	5		
MAJOR	BSCCEMMJ-801	MJC-18	3 - 0 - 4	5	22	180
RP	BSCCEMRP-801	RP-1	0 - 0 - 24	12		
MINOR	BSCCEMMN801	MNC-7	4 - 1 - 0	5		
TOTAL CREDIT					173	

Research in the relevant Discipline / Subject provided they secure 173 credits

EC= Skill Enhancement Course; MD= Multidisciplinary Course; SI - Summer Internship; RP= Real Hour and P= Practical Hour/ Field Work and NA= Not Applicable

by the student. The student is required to opt the same Minor Course (designed for 2nd semester) when that student is required to continue with the corresponding Minor Course offered by Chemistry

Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA	
						Practical	
		MD-1	3 - 0 - 0	3			
			3 - 0 - 0				
			3 - 0 - 0				
			3 - 0 - 0				
			3 - 0 - 0				
			MD-2	3 - 0 - 0		3	
				3 - 0 - 0			
				3 - 0 - 0			
				3 - 0 - 0			
				3 - 0 - 0			
				3 - 0 - 0			
			MD-3	3 - 0 - 0		3	
				3 - 0 - 0			
				3 - 0 - 0			
3 - 0 - 0							
3 - 0 - 0							

			3 - 0 - 0		
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Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA
						Practical
AE	AECCE101	AECC-2	4 - 0 - 0	4	NA	
	AECCB101		4 - 0 - 0			
	AECCH101		4 - 0 - 0			
	AECCU101		4 - 0 - 0			

FROM THE ACADEMIC SESSION: 2023-24

Marks	ESE Marks		Total Marks	Sem Marks
Theoretical	Practical	Theoretical		
15	20	35	100	350
30		70	100	
15		35	50	
15		35	50	
15		35	50	
30		70	100	350
30		70	100	
15		35	50	
15		35	50	
15		35	50	
ernship / Apprenticeship. In addition to 6 credits from skill-based				
30		70	100	400
30		70	100	
30		70	100	
15		35	50	
15		35	50	
30		70	100	400
30		70	100	
30		70	100	
15		35	50	
15		35	50	
15		35		

15		35		
during first year or second year summer term				
30		70	100	400
30		70	100	
30		70	100	
30		70	100	
30		70	100	450
30		70	100	
30		70	100	
30		70	100	
	35		50	
				2350

30		70	100	500
30		70	100	
30		70	100	
30		70	100	
30		70	100	
30		70	100	500
30		70	100	
30		70	100	
30		70	100	
30		70	100	
				3350

30		70	100	500
30		70	100	
30		70	100	
30		70	100	

30		70	100	
30		70	100	500
	120		300	
30		70	100	
TOTAL MARKS				3350

search Project; VAC= Value Added Course; CA= Continuous

which he had opted in 1st semester ie. the student will continue for 2nd semester as Minor Course in the 2nd semester.

Marks	ESE Marks		Total Marks	Sem Marks	
	Theoretical	Practical			Theoretical
15		35	50		
15		35			
15		35			
15		35			
15		35			
15		35			
15		35	50		
15		35			
15		35			
15		35			
15		35			
15		35			
15		35	50		
15		35			
15		35			
15		35			

15		35		
Marks	ESE Marks		Total Marks	Sem Marks
Theoretical	Practical	Theoretical		
15		35	50	NA
15		35		
15		35		
15		35		

