

KAZI NAZRUL UNIVERSITY			FACULTY OF SCIENCE			DEGREE PROGRAMME: B.Sc. PROGRAM IN CHEMISTRY			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				
BSCP	CHEMISTRY	BSCPCEM	I	Basics in Organic & Inorganic Chemistry	C	BSCPCEMC101	CC-1(1)	5 - 1 - 0	6	22	22	30	15	20	35	100	100 + Marks of Disc.2 & Disc.3	
				Discipline 2: CC-1(1) of Other Discipline		See Pool	CC-2(1)	See Pool	6									
				Discipline 3: CC-1(1) of Other Discipline			CC-3(1)		6									
				Environment Studies	AE	AEE101	AECC-1	4 - 0 - 0	4									15
			II	Elementary Physical Chemistry & Organic Chemistry	C	BSCPCEMC201	CC-1(2)	4 - 0 - 4	6	22	22	30	15	20	35	100	150 + Marks of Disc.2 & Disc.3	
				Discipline 2: CC-1(2) of Other Discipline		See Pool	CC-2(2)	See Pool	6									
				Discipline 3: CC-1(2) of Other Discipline			CC-3(2)		6									
				English/MIL Communication	AE	See Pool	AECC-2	4 - 0 - 0	4									15
			III	Physical Chemistry & Inorganic Chemistry	C	BSCPCEMC301	CC-1(3)	4 - 0 - 4	6	22	22	30	15	20	35	100	150 + Marks of Disc.2 & Disc.3	
				Discipline 2: CC-1(3) of Other Discipline		See Pool	CC-2(3)	See Pool	6									
				Discipline 3: CC-1(3) of Other Discipline			CC-3(3)		6									
				Industrial Chemistry	SE	BSCPCEMSE301	SEC-1	4 - 0 - 0	4									15
			IV	Inorganic Chemistry & Organic Chemistry	C	BSCPCEMC401	CC-1(4)	4 - 0 - 4	6	22	22	30	15	20	35	100	150 + Marks of Disc.2 & Disc.3	
				Discipline 2: CC-1(4) of Other Discipline		See Pool	CC-2(4)	See Pool	6									
				Discipline 3: CC-1(4) of Other Discipline			CC-3(4)		6									
				Chemistry of Cosmetics & Perfumes	SE	BSCPCEMSE401	SEC-2	4 - 0 - 0	4									15
			V	Applied Chemistry	(Any One)	DSE	BSCPCEMDSE501	DSEC-1(1)	5 - 1 - 0	22	22	15	15	35	35	50	100 + Marks of DSEC	
				Quantum Chemistry, Spectroscopy & Photochemistry			5 - 1 - 0											
				Discipline 2: DSE-1(1) of Other Discipline			See Pool	DSEC-2(1)	See Pool									6
				Discipline 3: DSE-1(1) of Other Discipline				DSEC-3(1)										6
				Pharmaceutical Chemistry			SE	BSCPCEMSE501	SEC-3									4 - 0 - 0
			VI	Chemistry of Bio-molecules & Chemotherapy	(Any One)	DSE	BSCPCEMDSE601	DSEC-1(2)	5 - 1 - 0	22	22	15	15	35	35	50	100 + Marks of DSEC	
				Advanced Inorganic Chemistry			5 - 1 - 0											
				Discipline 2: DSE-1(2) of Other Discipline			See Pool	DSEC-2(2)	See Pool									6
Discipline 3: DSE-1(2) of Other Discipline	DSEC-3(2)	6																
Fuel Chemistry	SE	BSCPCEMSE601		SEC-4			4 - 0 - 0	4	15									35
Total Credit and Marks										132	750 + Marks of Disc.2 & Disc.3 + Marks of DSEC							

Abbreviations: C= Core; CC=Core Course; AE= Ability Enhancement; AECC= Ability Enhancement Compulsory Course; GE= Generic Elective; GEC= Generic Elective Course; SE= Skill Enhancement; SEC= Skill Enhancement Course; DSE= Discipline Specific Elective; DSEC= Discipline Specific Elective Course; CA= Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable

Discipline-2: Students of a particular Program Course will choose Discipline-2 of any other Discipline except of his/her own. For example, if a student opts for Program Course in Chemistry then that student is required to opt Discipline-2 from Program Courses other than Chemistry. Once Discipline-2 is chosen in the 1st Semester the student is to continue with the same in the remaining semesters.

Discipline-3: Students of a particular Program Course will choose Discipline-3 of any other Discipline except Discipline 1 and Discipline 2 already chosen. Once Discipline-3 is chosen in the 1st Semester the student is to continue with the same in the remaining semesters.

Semesterwise Pool of Core Courses offered by this Discipline (when treated as Discipline 2 for other Program Courses across the faculties as far as practicable)

Discipline-2	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	I	Basics in Organic and Inorganic Chemistry	C	BSCPCEMC101	CC-2(1)	5 - 1 - 0	6	NA	30	15	20	35	100	NA
	II	Elementary Physical Chemistry & Organic Chemistry		BSCPCEMC201	CC-2(2)	4 - 0 - 4	6							
	III	Physical Chemistry & Inorganic Chemistry		BSCPCEMC301	CC-2(3)	4 - 0 - 4	6							
	IV	Inorganic Chemistry & Organic Chemistry		BSCPCEMC401	CC-2(4)	4 - 0 - 4	6							

Semesterwise Pool of Core Courses offered by this Discipline (when treated as Discipline 3 for other Program Courses across the faculties as far as practicable)																
Discipline-3	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	I	Basics in Organic and Inorganic Chemistry		C	BSCPCEMC101	CC-3(1)	5 - 1 - 0	6	NA		15		35	50	NA	
	II	Elementary Physical Chemistry & Organic Chemistry			BSCPCEMC201	CC-3(2)	4 - 0 - 4	6		30	15	20	35	100		
	III	Physical Chemistry & Inorganic Chemistry			BSCPCEMC301	CC-3(3)	4 - 0 - 4	6		30	15	20	35	100		
	IV	Inorganic Chemistry & Organic Chemistry			BSCPCEMC401	CC-3(4)	4 - 0 - 4	6		30	15	20	35	100		
Discipline Specific Elective Course (DSEC) -2: Students of a particular Program Course will choose DSEC-2 from DSEC-1 of Discipline 2.																
Discipline Specific Elective Course (DSEC) -3: Students of a particular Program Course will choose DSEC-3 from DSEC-1 of Discipline 3.																
Semesterwise Pool of Discipline Specific Elective Courses (DSEC) offered by this Discipline (when treated as Discipline 2 for other Program Courses across the faculties as far as practicable)																
Discipline-2	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	V	Applied Chemistry	(Any One)	DSE	BSCPCEMDSE501	DSEC-2(1)	5 - 1 - 0	6	NA		15		35	50	NA	
		Quantum Chemistry, Spectroscopy & Photochemistry			BSCPCEMDSE502		5 - 1 - 0				15	35				
	VI	Chemistry of Bio-molecules & Chemotherapy			(Any One)	BSCPCEMDSE601	DSEC-2(2)	5 - 1 - 0		6		15		35		50
		Advanced Inorganic Chemistry			(Any One)	BSCPCEMDSE602		5 - 1 - 0				15	35			
Semesterwise Pool of Discipline Specific Elective Courses (DSEC) offered by this Discipline (when treated as Discipline 3 for other Program Courses across the faculties as far as practicable)																
Discipline-3	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	V	Applied Chemistry	(Any One)	DSE	BSCPCEMDSE501	DSEC-3(1)	5 - 1 - 0	6	NA		15		35	50	NA	
		Quantum Chemistry, Spectroscopy & Photochemistry			BSCPCEMDSE502		5 - 1 - 0				15	35				
	VI	Chemistry of Bio-molecules & Chemotherapy			(Any One)	BSCPCEMDSE601	DSEC-3(2)	5 - 1 - 0		6		15		35		50
		Advanced Inorganic Chemistry			(Any One)	BSCPCEMDSE602		5 - 1 - 0				15	35			
Pool of Communication Courses offered as Ability Enhancement Compulsory Courses																
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			
English/MIL Communication	II	English Communication	(Any One)	AE	AECCE201	AECC-2	4 - 0 - 0	4	NA		15		35	50	NA	
		Bengali Communication			AECCEB201		4 - 0 - 0				15	35				
		Hindi Communication			AECCH201		4 - 0 - 0				15	35				
		Urdu Communication			AECU201		4 - 0 - 0				15	35				