

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		
BSC	Geology	3-year UG Degree	I	Earth System Science	MAJOR	BSCGELMJ101	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			
				Field Geology I	SE	BSCGELSE101	SEC-1	0 - 1 - 4	3		30		20		50			
			II	Mineral Science	MAJOR	BSCGELMJ201	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			
				Field Geology II	SE	BSCGELSE201	SEC-2	0 - 1 - 4	3		30		20		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	Elements of Geochemistry & Geophysics	MAJOR	BSCGELMJ301	MJC-3	3 - 0 - 4	5	22	30	15	20	35	100	400		
				Structural Geology	MAJOR	BSCGELMJ302	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	MD-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	Igneous Petrology	MAJOR	BSCGELMJ401	MJC-5	3 - 0 - 4	5	22	30	15	20	35	100	400		
				Metamorphic Petrology	MAJOR	BSCGELMJ402	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			
				Field Geology III	SE	BSCGELSE401	SEC-3	0 - 1 - 4	3		30		20		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	Sedimentology	MAJOR	BSCGELMJ501	MJC-7	3 - 0 - 4	5	20	30	15	20	35	100	400		
				Palaeontology	MAJOR	BSCGELMJ502	MJC-8	3 - 0 - 4	5		30	15	20	35	100			
				Hydrogeology	MAJOR	BSCGELMJ503	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	Remote Sensing and GIS	MAJOR	BSCGELMJ601	MJC-10	3 - 0 - 4	5	22	30	15	20	35	100	450		
				Economic & Fuel Geology	MAJOR	BSCGELMJ602	MJC-11	3 - 0 - 4	5		30	15	20	35	100			
				Stratigraphy	MAJOR	BSCGELMJ603	MJC-12	3 - 0 - 4	5		30	15	20	35	100			
				Geotectonics	MAJOR	BSCGELMJ604	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	Mineral Exploration & Mining	MAJOR	BSCGELMJ701	MJC-14	3 - 0 - 4	5	25	30	15	20	35	100	500				
		Engineering Geology	MAJOR	BSCGELMJ702	MJC-15	3 - 0 - 4	5		30	15	20	35	100					
		Environmental Geology	MAJOR	BSCGELMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100					
		Statistical Analysis and Computer Application in Geology	MAJOR	BSCGELMJ704	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	Oceanography & Climatology	MAJOR	BSCGELMJ801	MJC-18	3 - 0 - 4	5	22	30	15	20	35	100	500				
		Colloquium	MAJOR	BSCGELMJ802	MJC-19	2 - 0 - 4	4		30	15	20	35	100					
		Mineral Beneficiation & Mineral Economics	MAJOR	BSCGELMJ803	MJC-20	2 - 0 - 4	4		30	15	20	35	100					
		Industrial Training	MAJOR	BSCGELMJ804	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	Mineral Exploration & Mining	MAJOR	BSCGELMJ701	MJC-14	3 - 0 - 4	5	25	30	15	20	35	100	500			
			Engineering Geology	MAJOR	BSCGELMJ702	MJC-15	3 - 0 - 4	5		30	15	20	35	100				
			Environmental Geology	MAJOR	BSCGELMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100				
			Statistical Analysis and Computer Application in Geology	MAJOR	BSCGELMJ704	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		Oceanography & Climatology	MAJOR	BSCGELMJ801	MJC-18	3 - 0 - 4	5	22	30	15	20	35	100	500				
		Research Methodology	RP	BSCGELRP801	RPC-1	4 - 0 - 0	4			30		70	100					
		Dissertation	RP	BSCGELRP802	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				3350	
		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																		
Note: Minor Courses (MNC) : Students of a particular UG Course will choose from the Pool of Minor Courses offered by disciplines other than the major discipline opted by the student within the faculty. The student is required to opt the same Minor Discipline in the 2nd semester which he had opted in 1st semester. Explanation: If a student of Physics Major, opts for a Minor Course offered by Chemistry in 1st semester then that student is required to continue with the Minor Course offered by Chemistry for 2nd semester as Minor Course in the 2nd semester.																		
Semesterwise Pool of Minor Courses offered by Geology for other Disciplines within the Faculty																		
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				
Geology	I	Earth System Science	MINOR	BSCGELMN101	MNC-1	3 - 0 - 4	5	NA	30	15	20	35	100	NA				
	II	Mineral Science		BSCGELMN201	MNC-2	3 - 0 - 4	5		30	15	20	35	100					
	III	Essentials of Petrology		BSCGELMN301	MNC-3	3 - 0 - 4	5		30	15	20	35	100					
	IV	Structural Geology & Geodynamics		BSCGELMN401	MNC-4	3 - 0 - 4	5		30	15	20	35	100					





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	Yoga and Health	VA	VAC401	VAC-2	4 - 0 - 0	4	NA		15		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		30		20				