

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	Geology	3-year UG Degree	I	Earth System Science	MAJOR	BSCGELMJ101	MJC-1	4 - 0 - 2	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 - 0 - 6	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 - 0 - 6	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	4 - 0 - 2	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				
				English Communication	AE	AEC301	AEC-2	4 - 0 - 0	4			15		35	50				
			IV	Igneous Petrology	MAJOR	BSCGELMJ401	MJC-5	4 - 0 - 2	5	22	30	15	20	35	100	400			
				Metamorphic Petrology	MAJOR	BSCGELMJ402	MJC-6	4 - 0 - 2	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 - 0 - 6	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 Geology	MAJOR	BSCGELMJ602	MJC-11	4 - 0 - 2	5		30	15	20	35	100							
	Stratigraphy	MAJOR	BSCGELMJ603	MJC-12	5 - 0 - 0	5			30		70	100							

	Geotectonics	MAJOR	BSCGELMJ604	MJC-13	4 - 0 - 2	5		30	15	20	35	100	
	Summer Internship	SI	SI601	SIMC-1	0 - 0 - 4	2		30		20		50	
	<b>Total Credit and Marks</b>			<b>TOTAL CREDIT</b>			<b>126</b>	<b>TOTAL MARKS</b>					<b>2350</b>

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	Exploration Geology	MAJOR	BSCGELMJ701	MJC-14	3 - 0 - 4	5	25	30	15	20	35	100	500
		Engineering Geology	MAJOR	BSCGELMJ702	MJC-15	4 - 0 - 2	5		30	15	20	35	100	
		Fuel Geology	MAJOR	BSCGELMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100	
		Geostatistics	MAJOR	BSCGELMJ704	MJC-17	4 - 0 - 2	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 and Climatology	MAJOR	BSCGELMJ801	MJC-18	5 - 0 - 0	5	22		30		70	100	500
		Colloquium	MAJOR	BSCGELMJ802	MJC-19	4 - 0 - 2	4		60		40		100	
		Mineral Beneficiation and Mineral Economics	MAJOR	BSCGELMJ803	MJC-20	4 - 0 - 0	4			30		70	100	
		Environmental Geology	MAJOR	BSCGELMJ804	MJC-21	4 - 0 - 2	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	
<b>Total Credit and Marks</b>			<b>TOTAL CREDIT</b>			<b>173</b>	<b>TOTAL MARKS</b>					<b>3350</b>		

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	Exploration Geology	MAJOR	BSCGELMJ701	MJC-14	3 - 0 - 4	5	25	30	15	20	35	100	500
		Engineering Geology	MAJOR	BSCGELMJ702	MJC-15	4 - 0 - 2	5		30	15	20	35	100	
		Fuel Geology	MAJOR	BSCGELMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100	
		Geostatistics	MAJOR	BSCGELMJ704	MJC-17	4 - 0 - 2	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 and Climatology	MAJOR	BSCGELMJ801	MJC-18	5 - 0 - 0	5	22		30		70	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	
		<b>Total Credit and Marks</b>			<b>TOTAL CREDIT</b>				<b>173</b>	<b>TOTAL MARKS</b>				

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	
									Practical	Theoretical	Practical	Theoretical			
Geology	I	Earth System Science	MINOR	BSCGELMN101	MNC-1	4 - 0 - 2	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	4 - 0 - 2	5		30	15	20	35	100		
	IV	Structural Geology and Geodynamics		BSCGELMN401	MNC-4	4 - 0 - 2	5		30	15	20	35	100		
	V	Essentials of Palaeontology		BSCGELMN501	MNC-5	4 - 0 - 2	5		30	15	20	35	100		
	VI	NA													
	VII	Geology of India		BSCGELMN701	MNC-6	5 - 0 - 0	5				30		70		100

VIII	Economic and Fuel Geology	BSCGELMN801	MNC-7	4 - 0 - 2	5	30	15	20	35	100
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**Semester wise Pool of Multidisciplinary Courses offered by Geology for other Disciplines across the Faculties**

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		
Geology	I	A B C D of Geology	MD	MDC121	MDC-1	2 - 1 - 0	3	NA		15		35	50	NA
	II	The Past Life on Earth	MD	MDC222	MDC-2	2 - 1 - 0	3	NA		15		35	50	NA
	III	Remote Sensing and GIS	MD	MDC309	MDC-3	2 - 1 - 0	3	NA		15		35	50	NA

**Pool of Communication Courses offered as Ability Enhancement Courses in Semester-I**

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	I	Any One English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English	AE	AECE101	AEC-1	4 - 0 - 0	4	NA		15		35	50	NA
				AECB101										
				AECH101										
				AECU101										
				AECAE101										

**Pool of Communication Courses offered as Ability Enhancement Courses in Semester-III**

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		
MIL / English Communication	III	Any One English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English	AE	AECE301	AEC-2	4 - 0 - 0	4	NA		15		35	50	NA
				AECB301										
				AECH301										
				AECU301										
				AECAE301										

Students who opted English Communication in SEM-I (AECE101) 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 communication (AECE301)in SEM -III

**Semester wise Pool of Multidisciplinary Courses offered for all Disciplines across the 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		
Physics	I	Any One Physical Science E-Commerce Human Rights Disaster Management Fitness and Wellness Application of Bio-Science Film Appreciation Accounting for All Exploring Early Medieval Bengal: C.7th Century CE to 1206 CE Bangla Sahitya O Sanskriti Money and Banking Patrakarita Business Mathematics Indian Society Yoga for Daily Life Electronic Measurements	MD	MDC101	MDC-1	2 - 1 - 0	3	NA		15		35	50	NA
BBA														
Political Science														
Geography														
Physical Education														
Zoology														
English														
Commerce														
History														
Bengali														
Economics														
Hindi														
Mathematics														
Sociology														
Philosophy														
Electronics														

Computer Science	Information and Communication Technology	MDC117
Botany	Introduction to Local Flora	MDC118
Computer Applications	Information and Media Literacy	MDC119
Commerce	Microeconomics	MDC120
Geology	A B C D of Geology	MDC121

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		
Mathematics	II	Any One	MD	Mathematical Science	MDC-2	2 - 1 - 0	3	NA		15	35	50	NA	
BBA				Business Environment										
Statistics				Basic Statistics										
History				Understanding Medieval Bengal Select Themes: 1206 CE-1727 CE										
Commerce				Personal Finance										
Nutrition				Nutrition and Public Health										
Education				Educational Philosophy										
Psychology				Stress Management										
Computer				Social Media and Cyber Awareness										
Bengali				Adhunik Bangla Sahitya										
Nazrul Sangeet				Nazrul Sangeet										
Electronics				E-Waste Management										
Chemistry				Chemical Science										
Sanskrit				Critical Survey of Sanskrit Language										
Urdu				AsnaF- E -Adab										
Hindi				Anuvad Vigyan										
Botany				Herbal Home Remedies										
English				Contemporary India: Women and Empowerment										
Political Science				Women Empowerment in India: Issues and Dimensions										
Physical Education				Yoga-Vyayama										
Commerce				Macroeconomics										
Geology				The Past Life on Earth										
						0- 1 - 4			30	20				
						2 - 1 - 0				15	35			

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		
Geography	III	Any One	MD	Bharatavarsha - A Land of Rare Natural Endowments	MDC-3	2 - 1 - 0	3	NA		15	35	50	NA	
Sanskrit				The Vedangas and other Streams of Indian Knowledge System										
Physics				Indian Astronomy										
Zoology				Indian Health Sciences										
Mathematics				Indian Mathematics										
Education				Indian Education										
Political Sc				Indian Polity and Economy										
Philosophy				Methodology of Indian Knowledge System										
Geology				Remote Sensing and GIS										
Physical Education				Indian Medical System and Yoga										
Urdu				Urdu Gajal										
Commerce				Indian Economy										
Computer Science				Impact of Artificial Intelligence in Education										
Physiology				Community Health Care										

**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	e		Yoga and Health		4 - 0 - 0	4	NA		15	35			
Philosophy				Social Values and Ethics										
Computer Science				Digital and Technological Solutions										
				VAC401		4 - 0 - 0	4	NA		15	35			
				VAC402		4 - 0 - 0	4	NA		15	35			
				VAC403		4 - 0 - 0	4	NA		15	35			

History	IV	Any Or	Understanding India	VA	VAC404	VAC-2	4 - 0 - 0	4	NA		15		35	50	NA
Economics			Sustainable Development: issues and		VAC405		4 - 0 - 0	4	NA		15		35		
Commerce			Goods and Services Tax		VAC406		0 - 2 - 4	4	NA	30		20			
Political Science			Basics of Indian Constitution		VAC407		4 - 0 - 0	4	NA		15		35		
Physical Education			Integrated Self Defence		VAC408		0 - 2 - 4	4	NA	30		20			