

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	Physics	3-year UG Degree	I	Mechanics and General Properties of Matter	MAJOR	BSCPHSMJ101	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	3 - 0 - 0	3			15		35	50			
				English/MIL Communication	AE	See Pool	AEC-1	4 - 0 - 0	4			15		35	50			
				Computer Programming	SE	BSCPHSSE101	SEC-1	0 - 0 - 6	3		30		20		50			
			II	Electricity and Magnetism	MAJOR	BSCPHSMJ201	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	3 - 0 - 0	3			15		35	50			
				Environment Studies	VA	VA201	VAC-1	4 - 0 - 0	4			15		35	50			
				Electrical Circuits and Network Skill	Any One	BSCPHSSE201	SEC-2	0 - 0 - 6	3		30		20		50			
				Basic Instrumentation Skills		BSCPHSSE202												
			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	Mathematical Methods in Physics I	MAJOR	BSCPHSMJ301	MJC-3	4 - 1 - 0	5	22		30		70	100	400		
				Optics	MAJOR	BSCPHSMJ302	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 opted English in SEM-I have to opt for any course from MIL (Bengali/Hindi/Urdu) in SEM -III and Students opted MIL (Bengali/Hindi/Urdu) in SEM -I have to opt English in SEM -III															
			IV	Classical Mechanics and Special Theory of Relativity	MAJOR	BSCPHSMJ401	MJC-5	4 - 1 - 0	5	22		30		70	100	400		
				Heat and Thermal Physics	MAJOR	BSCPHSMJ402	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			
				Computer Oriented Numerical Analysis	Any One	BSCPHSSE401	SEC-3	0 - 0 - 6	3		30		20		50			
				Scientific Writing and Documentation		BSCPHSSE402												
				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														
	Analog Electronics	MAJOR	BSCPHSMJ501	MJC-7	3 - 0 - 4	5		30	15	20	35	100						
	Quantum Mechanics-I	MAJOR	BSCPHSMJ502	MJC-8	3 - 0 - 4	5		30	15	20	35	100						

Semesterwise Pool of Minor Courses offered by Physics for other Disciplines within the Faculty

Disciplin e	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	Mechanics and General properties of Matter	MINOR	BSCPHSMN101	MNC-1	3 - 0 - 4	5	NA	30	15	20	35	100	NA
	II	Electricity and magnetism		BSCPHSMN201	MNC-2	3 - 0 - 4	5		30	15	20	35	100	
	III	Fundamentals of Optics		BSCPHSMN301	MNC-3	3 - 0 - 4	5		30	15	20	35	100	
	IV	Fundamentals of Thermal Physics		BSCPHSMN401	MNC-4	3 - 0 - 4	5		30	15	20	35	100	
	V	Basic Electroncis		BSCPHSMN501	MNC-5	3 - 0 - 4	5		30	15	20	35	100	
	VI	NA		NA										
	VII	Modern Physics-I		BSCPHSMN701	MNC-6	3 - 0 - 4	5		30	15	20	35	100	
	VIII	Modern Physics-II		BSCPHSMN801	MNC-7	4 - 1 - 0	5			30		70	100	

Semester wise Pool of Multidisciplinary Courses offered by Physics 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		
Physics	I	Physical Science		MDC101	MDC-1	2 - 1 - 0	3	NA		15		35	50	

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	AE	AECE101	AEC-1	4 - 0 - 0	4	NA		15	35	50	NA	
			Bengali Communication		AECB101										
			Hindi Communication		AECH101										
			Urdu Communication		AECU101										

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	AE	AECE301	AEC-2	4 - 0 - 0	4	NA		15	35	50	NA	
			Bengali Communication		AECB301										
			Hindi Communication		AECH301										
			Urdu Communication		AECU301										

Semester wise Pool of Multidisciplinary Courses offered for all Disciplines across the Faculties	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

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	MD	MDC101	MDC-1	2 - 1 - 0	3	NA		15	35	50	NA	
BBA			E-Commerce		MDC102										
Political Science			Human Rights		MDC103										
Geography			Disaster Management		MDC104										
Physical Education			Fitness and Wellness		MDC105										
Zoology			Application of Bio-Science		MDC106										
English			Film Appreciation		MDC107										
Commerce			Accounting for All		MDC108										
History			Exploring Early Medieval Bengal: C.7th Century CE to 1206 CE		MDC109										
Bengali			Bangla Sahitya O Sanskriti		MDC110										
Economics			Money and Banking		MDC111										
Hindi			Patrakarita		MDC112										
Mathematics			Business Mathematics		MDC113										

