

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	Statistics	3-year UG Degree	I	Descriptive Statistics And Probability-I	MAJOR	BSCSTSMJ101	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			
				Index Number and Demography	SE	BSCSTSSE101	SEC-1	3 - 0 - 0	3			15		35	50			
			II	Bivariate Data Analysis And Probability-II	MAJOR	BSCSTSMJ201	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			
				Numerical Analysis	SE	BSCSTSSE201	SEC-2	3 - 0 - 0	3			15		35	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 Summer Internship	Any One	VC SI	VC201 SI201	VCC-1 SIC-1	0 - 0 - 8	4	24	30		20		50	400	
			III	Sampling Distributions	MAJOR	BSCSTSMJ301	MJC-3	3 - 0 - 4	5	22	30	15	20	35	100	400		
				Linear Algebra	MAJOR	BSCSTSMJ302	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	See Pool	AEC-2	4 - 0 - 0	4			15		35	50			
			IV	Statistical Inference - I	MAJOR	BSCSTSMJ401	MJC-5	3 - 0 - 4	5	22	30	15	20	35	100	400		
				Sampling Techniques and Indian Official Statistics	MAJOR	BSCSTSMJ402	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			
Real Analysis	SE	BSCSTSSE401		SEC-3	3 - 0 - 0	3		15			35	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 Summer Internship	Any One	VC SI	VC401 SI401	VCD-1 SID-1	0 - 0 - 8	4	26	30		20		50	450				
V	Statistical Computing with R	MAJOR	BSCSTSMJ501	MJC-7	3 - 0 - 4	5	20	30	15	20	35	100	400					
	Linear Model and Design of Experiment	MAJOR	BSCSTSMJ502	MJC-8	3 - 0 - 4	5		30	15	20	35	100						
	Statistical Inference - II	MAJOR	BSCSTSMJ503	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	Time Series Analysis	MAJOR	BSCSTSMJ601	MJC-10	3 - 0 - 4	5	22	30	15	20	35	100	450
	Non-Parametric Inference	MAJOR	BSCSTSMJ602	MJC-11	3 - 0 - 4	5		30	15	20	35	100	
	Predictive Analysis	MAJOR	BSCSTSMJ603	MJC-12	3 - 0 - 4	5		30	15	20	35	100	
	SQC and Reliability Analysis	MAJOR	BSCSTSMJ604	MJC-13	3 - 0 - 4	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	Distribution Theory	MAJOR	BSCSTSMJ701	MJC-14	3 - 0 - 4	5	25	30	15	20	35	100	500
		Econometrics	MAJOR	BSCSTSMJ702	MJC-15	3 - 0 - 4	5		30	15	20	35	100	
		Multivariate Analysis	MAJOR	BSCSTSMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100	
		Linear Programming and Game Theory	MAJOR	BSCSTSMJ704	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	Stochastic Process and Queuing Theory	MAJOR	BSCSTSMJ801	MJC-18	3 - 0 - 4	5	22	30	15	20	35	100	500
		Bayesian Inference	MAJOR	BSCSTSMJ802	MJC-19	2 - 0 - 4	4		30	15	20	35	100	
		Clinical Trials and Epidemiology	MAJOR	BSCSTSMJ803	MJC-20	2 - 0 - 4	4		30	15	20	35	100	
		Data Analysis Using Python	MAJOR	BSCSTSMJ804	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	
<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	Distribution Theory	MAJOR	BSCSTSMJ701	MJC-14	3 - 0 - 4	5	25	30	15	20	35	100	500
		Econometrics	MAJOR	BSCSTSMJ702	MJC-15	3 - 0 - 4	5		30	15	20	35	100	
		Multivariate Analysis	MAJOR	BSCSTSMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100	
		Linear Programming and Game Theory	MAJOR	BSCSTSMJ704	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	Data Classification Techniques	MAJOR	BSCSTSMJ801	MJC-18	3 - 0 - 4	5	22	30	15	20	35	100	500
		Research Methodology	RP	BSCSTSRP801	RPC-1	4 - 0 - 0	4			30		70	100	
		Research Project / Dissertation	RP	BSCSTSRP802	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>					<b>3350</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 Statistics 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			
Statistics	I	Descriptive Statistics And Probability-I	MINOR	BSCSTSMN101	MNC-1	3 - 0 - 4	5	NA	30	15	20	35	100	NA	
	II	Bivariate Data Analysis And Probability-II		BSCSTSMN201	MNC-2	3 - 0 - 4	5		30	15	20	35	100		
	III	Introduction to Statistical Inference		BSCSTSMN301	MNC-3	3 - 0 - 4	5		30	15	20	35	100		
	IV	Introduction to Applied Statistics		BSCSTSMN401	MNC-4	3 - 0 - 4	5		30	15	20	35	100		
	V	Sampling Techniques and Design of Experiments		BSCSTSMN501	MNC-5	3 - 0 - 4	5		30	15	20	35	100		
	VI	NA		NA		NA			NA		NA		NA		
	VII	Statistical Computing Using R		BSCSTSMN701	MNC-6	3 - 0 - 4	5		30	15	20	35	100		
	VIII	Economic Statistics		BSCSTSMN801	MNC-7	3 - 0 - 4	5		30	15	20	35	100		

**Semester wise Pool of Multidisciplinary Courses offered by Statistics 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		
Statistics	II	Basic Statistics	MD	MDC203		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	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 Value Added Courses offered in Semester-IV for all Disciplines across all 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		
NA	IV	Yoga And Health	VA	VAC401	VAC-2	4 - 0 - 0	4	NA		15		35	50	NA
		Social Values and Ethics		VAC402										
		Digital and Technological Solutions		VAC403										
		Understanding India		VAC404										
		Sustainable Development: Issues and Challenges		VAC405										
		Goods and Services Tax		VAC406										
		Basics of Indian Constitution		VAC407										

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	MD	MDC101	MDC-1	2 - 1 - 0	3	NA		15		35	50	NA
BBA														
Political Science														
Geography														
Physical Education														
English														
Commerce														
History														
Bengali														
Economics														
Hindi														
Mathematics														
Sociology														
Philosophy														
Electronics														
Computer Science														
Botany														
Computer Applications														
Commerce														
Mathematics														
BBA														
Statistics														
History														
Commerce														
Nutrition														
Education														
Psychology														
Computer														
Bengali														
Nazrul Sangeet														
Electronics														
Chemistry														
Sanskrit														
Urdu														
Hindi														
Botany														
Mathematics	II	Any One	MD	MDC201	MDC-2	2 - 1 - 0	3	NA		15		35	50	NA
BBA														
Statistics														
History														
Commerce														
Nutrition														
Education														
Psychology														
Computer														
Bengali														
Nazrul Sangeet														
Electronics														
Chemistry														
Sanskrit														
Urdu														
Hindi														
Botany														
Offered By Discipline				III										
Geography														
Sanskrit														
Physics														
Mathematics														
Education														
Political Sc														
Philosophy														
Geography	III	Any One	MD	MDC302	MDC-3	2 - 1 - 0	3	NA		15		35	50	NA
Sanskrit														
Physics														
Mathematics														
Education														
Political Sc														
Philosophy														
Philosophy														