K	AZI NAZRUL UNIVERSITY	Ţ.	FACULTY OF SCIENCE, TECHNOLOGY & VOCATIONAL STUDIES		egree /4-Year UC ear UG Degree (H Research)										
		H								CA M	larks	ESE I	Aarks		
Abbrevia ted Degree	Discipline Degree Programme	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Sem Marks
			General Chemistry - I	MAJOR	BSCCEMMJ101	MJC-1	3 - 0 - 4	5		30	15	20	35	100	
			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 Po	ool	•	100	
		I	Choose from the Pool of Multidisciplinary Courses offered in 1st Semester across the faculties	MD	See Pool	MDC-1	2 - 1 - 0	3	20		15		35	50	350
			English/MIL Communication	AE	See Pool	AEC-1	4 - 0 - 0	4			15		35	50	
			Industrial Chemistry	SE	BSCCEMSE101	SEC-1	2 - 1 - 0	3			15		35	50	
		1	General Chemistry - II	MAJOR	BSCCEMMJ201	MJC-2	3 - 0 - 4	5]	30	15	20	35	100	
		п	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	20		See Po	ool		100	350
			Choose from the Pool of Multidisciplinary Courses offered in 2nd Semester across the faculties	r 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	
			Pharmaceutical Chemistry	SE	BSCCEMSE201	SEC-2	2 - 1- 0	3			15		35	50	
			t exiting the programmes after securing 40 credits will be awarded UG Certif	icate in the relevant Discipline/	Subject provided they secur	e following 4 credit	r	vocational co	1		; 1st year				
		п	Summer Internship Any One	SI	SI201	SIC-1	0 - 0 - 8	4	24	30		20		50	400
					•										
			Inorganic Chemistry-I	MAJOR	BSCCEMMJ301	MJC-3	3 - 0 - 4	5		30	15	20	35	100	
			Physical Chemistry-I	MAJOR	BSCCEMMJ302	MJC-4	3 - 0 - 4	5		30	15	20	35	100	
	3-year UG	ш	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	22		See Po	ool		100	400
	Degree		Choose from the Pool of Multidisciplinary Courses offered in 3rd Semester across the faculties	MD	See Pool	MDC-3	2 - 1 - 0	3			15		35	50	
			MIL/English Communication	AE	See Pool	AEC-2	4 - 0 - 0	4			15		35	50	
		Studer	ts who opted English in SEM-I have to opt for any course from MIL (Benga	li/Hindi/Urdu/Alternative Engli	sh) in SEM -III and Studen	its who opted MIL (Bengali/Hindi/U	rdu/Alternati	ive English) in S	EM -I have to opt	t English in SEM	-III			
			Organic Chemistry-I	MAJOR	BSCCEMMJ401	MJC-5	3 - 0 - 4	5		30	15	20	35	100	
		1	Physical Chemistry-II	MAJOR	BSCCEMMJ402	MJC-6	3 - 0 - 4	5	1	30	15	20	35	100	1
		IV	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	22		See Po	ool		100	400
			Fuel Chemistry	SE	BSCCEMSE401	SEC-3	2 - 1- 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	
						C 11 . 4 . 1%	in work based vo	ocational cou	rses / summer in	ternshin during?	nd year				
			t exiting the programmes after securing 84 credits will be awarded UG Diplor		U 1 V	ě	1	1	1		ind year			[Т
		Studer IV	t exiting the programmes after securing 84 credits will be awarded UG Diplor Vocational Course Summer Internship Any One	ma in the relevant Discipline/Su	bject provided they secure VC401 SI401	VCD-1 SID-1	0 - 0 - 8	4	26	30		20		50	450
			Vocational Course Any One	VC	VC401	VCD-1	1	1	1			20		50	450
D CC			Vocational Course Any One	VC	VC401	VCD-1	1	1	1		15	20 20	35	50 100	450
BSC	Chemistry		Vocational Course Any One Any One	VC SI	VC401 SI401	VCD-1 SID-1	0 - 0 - 8	4	1	30		-	35 35 35		450

		Disciplines within the faculty	MINOR	See Pool	MNC-5	See Pool	5			See P			100
		Inorganic Chemistry-III	MAJOR	BSCCEMMJ601	MJC-10	3 - 0 - 4	5		30	15	20	35	100
		Inorganic Chemistry-IV	MAJOR	BSCCEMMJ602	MJC-11	3 - 0 - 4	5		30	15	20	35	100
	VI	Organic Chemistry-III	MAJOR	BSCCEMMJ603	MJC-12	3 - 0 - 4	5	22	30	15	20	35	100
		Physical Chemistry-IV	MAJOR	BSCCEMMJ604	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 CH	REDIT			126		то	TAL MARKS		
	Studen	ts who want to undertake 3-year UG programme will be awarded UG Degr	ee in the relevant Discipl	ine / Subject upon securing	t 126 credits								
		Inorganic Chemistry-V	MAJOR	BSCCEMMJ701	MJC-14	3 - 0 - 4	5		30	15	20	35	100
		Organic Chemistry-IV	MAJOR	BSCCEMMJ701 BSCCEMMJ702	MJC-14 MJC-15	3-0-4	5		30	15	20	35	100
		Organic Chemistry-V	MAJOR	BSCCEMMJ702 BSCCEMMJ703	MJC-16	3 - 0 - 4	5		30	15	20	35	100
	VII	Physical Chemistry-V	MAJOR	BSCCEMMJ703 BSCCEMMJ704	MJC-16 MJC-17	3 - 0 - 4	5	25	30	15	20	35	100
		Choose from the Pool of Minor Courses offered in 7th Semester by other	MAJOR	See Pool	MJC-17 MNC-6	See Pool	5		30	See P			100
4 - Year UG		Disciplines within the faculty											
Degree (Honours)		Advanced General Chemistry-I	MAJOR	BSCCEMMJ801	MJC-18	3 - 0 - 4	5		30	15	20	35	100
(Honours)		Advanced General Chemistry-I Advanced Inorganic Chemistry-I					-			15	-		
		ë ;	MAJOR	BSCCEMMJ802	MJC-19	2 - 0 - 4	4		30	15	20	35	100
	VIII	Advanced Organic Chemistry-I	MAJOR	BSCCEMMJ803	MJC-20	2 - 0 - 4	4	22	30	15	20	35	100
		Advanced Physical Chemistry-I	MAJOR	BSCCEMMJ804	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 P	ool		100
		Total Credit and Marks		TOTAL CH	REDIT			173		то	TAL MARKS		
		Students who want to undertake 4	-year UG Honours prog	ram will be awarded UG I	egree (Honours) i	in the relevant Di	iscipline / Su	bject providec	they secure 173	credits			
			14 IOD			2.0.4			20	15	20	1 25	100
		Inorganic Chemistry-V Organic Chemistry-IV	MAJOR	BSCCEMMJ701	MJC-14	3 - 0 - 4	5		30	15	20	35	100
		8	MAJOR	BSCCEMMJ702	MJC-15	3 - 0 - 4	-		30	15		35	100
	VП	Organic Chemistry-V	MAJOR	BSCCEMMJ703	MJC-16	3 - 0 - 4	5	25	30	15	20	35	100
4 - Year UG		Physical Chemistry-V	MAJOR	BSCCEMMJ704	MJC-17	3 - 0 - 4	5		30	15	20	35	100
Degree (Honours		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 P	ool		100
(III) (III)						1							
with		Advanced General Chemistry-I	MAJOR	BSCCEMMJ801	MJC-18	3 - 0 - 4	5		30	15	20	35	100
with Research)		Research Methodology and Ethics	RP	BSCCEMRP801	RPC-1	4 - 0 - 0	4			30		70	100
	VIII	Research Project / Dissertation	RP	BSCCEMRP802	RPC-2	0 - 0 - 16	8	22	120		80		200
		choose from the Pool of Minor Courses offered in 8th Semester by other	MINOR	See Pool	MNC-7	See Pool	5			See P	ool		100
		Disciplines within the faculty	MINOR	5001001	1011 07	5001001	5			5001			100
				TOTAL CH	REDIT			173		то	TAL MARKS		
		Total Credit and Marks					-	DI I I	1.	1			
		Total Credit and Marks Students who want to undertake 4-year UG Hon	ours with Research prog	ram will be awarded UG D	egree (Honours w	ith Research) in	the relevant	Discipline / Su	ibject provided	ney secure 1/3	credits		
Research)			le		8 (,		1	3 1	•		a	

mester	wise Pool of I	Minor Course	s offered by Chemistry for other Disciplines	within the Faculty											
sciplin	G (G G W	Sem	CA	Marks	ESE	Marks		
e	Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Course Credit	Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Sem Marl
	Ι	General Chemi			BSCCEMMN101	MNC-1	3 - 0 - 4	5		30	15	20	35	100	
	II	General Chemi			BSCCEMMN201	MNC-2	3 - 0 - 4	5		30	15	20	35	100	
È	III		ganic Chemistry		BSCCEMMN301	MNC-3	3 - 0 - 4	5		30	15	20	35	100	
misi	IV	5	sical Chemistry	MINOR	BSCCEMMN401	MNC-4	3 - 0 - 4	5	NA	30	15	20	35	100	NA
Chemistry	V	Inorganic & Ph NA	ysical Chemistry		BSCCEMMN501	MNC-5	3 - 0 - 4	5		30	15	20 NA	35	100	
	VI VII	NA Advanced Phys	i1 Chamister		DOCOELO DIZO1	NA MNC-6	3 - 0 - 4	5		30	15	NA 20	35	100	
			ganic & Organic Chemistry		BSCCEMMN701 BSCCEMMN801	MNC-6 MNC-7	3 - 0 - 4	5		30	15	-	35	100	
	VIII	Advanced morg	ganic & Organic Chemistry		BSCCEMMIN801	MNC-/	3 - 0 - 4	5		30	15	20	35	100	
ieste	er wise Pool	l of Multidis	ciplinary Courses offered by Chemist	ry for other Disciplines ac	ross the Faculties										
iplin			cipillary courses offered by chemist					_	Sem	CA	Marks	ESE	Marks		
e	Semester	Course Name		Course Type	Course Code	Course Details	L - T - P	Course Credit	Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Sem Mar
mistr	п	Chemical Scier	ce	MD	MDC213		2 -1 - 0	3	NA		15		35	50	NA
of C	ommunication	Courses offere	d as Ability Enhancement Courses in Semester	1		-	-	1		1		r		1	
Di	scipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit		Marks			Total Marks	Sem Mai
Disc			English Communication		AECE101				ortun	Practical	Theoretical	Practical	Theoretical		
					AECB101										
	lish/MIL	I		AE	AECH101	AEC-1	4 - 0 - 0	4	NA		15		35	50	NA
Comr	nunication		Virginia Communication		AECU101										
			Alternative English		AECAE101										
		Comment offered	d as Ability Enhancement Courses in Semester	ш				- 1 1				1		1	
of C	ommunication	Courses offere							Sem	CA	Marks	ESE	Marks	Total Marks	Sem Mar
			Course Name	Course Type	Course Code	Course Doteils	І Т Р		Credit					I Utal Wialks	Sem Mai
	ommunication scipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit		Practical	Theoretical	Practical	Theoretical		
				Course Type	Course Code	Course Details	L - T - P	Course Credit		Practical	Theoretical	Practical	Theoretical		
Di	scipline		English Communication	Course Type		Course Details	L - T - P	Course Credit		Practical	Theoretical	Practical	Theoretical		
Di MIL	scipline / English		English Communication Bengali Communication	Course Type	AECE301	Course Details	L - T - P 4 - 0 - 0	Course Credit	NA	Practical	Theoretical	Practical	Theoretical 35	50	NA
Di MIL	scipline	Semester	English Communication Bengali Communication Hindi Communication Urdu Communication		AECE301 AECB301 AECH301 AECU301				NA	Practical		Practical		50	NA
Di MIL	scipline / English	Semester	English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English	AE	AECE301 AECB301 AECH301 AECU301 AECAE301	AEC-2	4 - 0 - 0	4			15		35		
Di MIL	scipline / English	Semester	English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English Students who opted English Communication in S	AE	AECE301 AECB301 AECH301 AECU301 AECAE301	AEC-2	4 - 0 - 0	4			15		35		
Di MIL	scipline / English	Semester	English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English	AE	AECE301 AECB301 AECH301 AECU301 AECAE301	AEC-2	4 - 0 - 0	4			15		35		
Di MIL Comr	scipline / English nunication	Semester III	English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English Students who opted English Communication in S	AE EM-I (AECE101) have to opt for a	AECE301 AECB301 AECH301 AECU301 AECAE301	AEC-2	4 - 0 - 0	4	opted MIL	(Bengali/Hindi/	15 Urdu/Alternative E	nglish) in SEM	35 -I have to opt E		
Di MIL omr	scipline / English nunication	Semester III	English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English Students who opted English Communication in S SEM -III	AE EM-I (AECE101) have to opt for a	AECE301 AECB301 AECH301 AECU301 AECAE301	AEC-2	4 - 0 - 0	4		(Bengali/Hindi/	15 Urdu/Alternative E Marks	nglish) in SEM ESE	35 - I have to opt E Marks		
Di MIL Comr	scipline / English nunication wise Pool of M	Semester III Iultidisciplinary	English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English Students who opted English Communication in S SEM -III	AE EM-1 (AECE101) have to opt for a	AECE301 AECB301 AECH301 AECU301 AECAE301 any course from MIL (Bengali/	AEC-2	4 - 0 - 0 glish) in SEM -III	4 and Students who	opted MIL	(Bengali/Hindi/	15 Urdu/Alternative E	nglish) in SEM	35 -I have to opt E	nglish communic	ation (AECE30
Di MIL Comr ester čered	scipline / English nunication wise Pool of M	Semester III Iultidisciplinary	English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English Students who opted English Communication in S SEM -III Courses offered for all Disciplines across the F Course Name	AE EM-1 (AECE101) have to opt for a	AECE301 AECB301 AECH301 AECU301 AECAE301 any course from MIL (Bengali/	AEC-2	4 - 0 - 0 glish) in SEM -III	4 and Students who	opted MIL	(Bengali/Hindi/	15 Urdu/Alternative E Marks	nglish) in SEM ESE	35 - I have to opt E Marks	nglish communic	ation (AECE30
Di MIL Comr fered Sics	scipline / English nunication wise Pool of M	Semester III Iultidisciplinary	English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English Students who opted English Communication in S SEM -III Courses offered for all Disciplines across the F Course Name Physical Science	AE EM-1 (AECE101) have to opt for a	AECE301 AECB301 AECH301 AECU301 AECAE301 any course from MIL (Bengali/ Course Code MDC101 MDC102 MDC103	AEC-2	4 - 0 - 0 glish) in SEM -III	4 and Students who	opted MIL	(Bengali/Hindi/	15 Urdu/Alternative E Marks	nglish) in SEM ESE	35 - I have to opt E Marks	nglish communic	ation (AECE30
Di MIL Comr iester fered sics A	scipline / English nunication wise Pool of M By Discipline cience	Semester III Iultidisciplinary	English Communication Bengali Communication Hindi Communication Urdu Communication Alternative English Students who opted English Communication in S SEM -III Courses offered for all Disciplines across the F Course Name Physical Science E-Commerce	AE EM-1 (AECE101) have to opt for a	AECE301 AECB301 AECH301 AECU301 AECAE301 any course from MIL (Bengali/ Course Code MDC101 MDC102	AEC-2	4 - 0 - 0 glish) in SEM -III	4 and Students who	opted MIL	(Bengali/Hindi/	15 Urdu/Alternative E Marks	nglish) in SEM ESE	35 - I have to opt E Marks	nglish communic	ation (AECE3(

Zoology			Application of Bio-Science		MDC106			l		1		1	l		
English			Film Appreciation		MDC107										
Commerce			Accounting for All		MDC108										
History			Exploring Early Medieval Bengal: C.7th Century CE to 1206 CE		MDC109										
Bengali	т	On	Bangla Sahitya O Sanskriti	MD	MDC110	MDC-1	2 - 1 - 0	3	NA		15		35	50	NA
Economics	1	Vny	Money and Banking	NID	MDC111	MDC-1	2 - 1 - 0	5	1174		15		55	50	1174
Hindi		4	Patrakarita		MDC112										
Mathematics			Business Mathematics		MDC113										
Sociology			Indian Society		MDC114										
Philosophy			Yoga for Daily Life		MDC115										
Electronics			Electronic Measurements		MDC116										
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	CA	Marks	ESE	Marks	Total Marks	Sem Marks
Offered by Discipline	Semester		Course Name	Course Type	Course Code	Course Details	L - I - r	Course Crean	Credit	Practical	Theoretical	Practical	Theoretical	Total Marks	Sem Marks
fathematics			Mathematical Science		MDC201										
BA			Business Environment		MDC202										
tatistics			Basic Statistics		MDC203										
listory			Understanding Medieval Bengal Select Themes: 1206 CE-1727 CE		MDC204		2 -1 - 0								
ommerce			Personal Finance		MDC205						15		35		
lutrition			Nutrition and Public Health	_	MDC206										
ducation			Educational Philosophy		MDC207										
sychology			Stress Management		MDC208	MDC-2									
Computer			Social Media and Cyber Awareness	MD	MDC209										
engali			Adhunik Bangla Sahitya		MDC210										
azrul Sangeet		One	Nazrul Sangeet		MDC211		0-1-4			30		20			
lectronics	П		E-Waste Management		MDC212			3	NA					50	NA
Themistry		Any	Chemical Science		MDC213										
anskrit			Critical Survey of Sanskrit Language		MDC214										
Jrdu			Asnaf- E -Adab		MDC215										
lindi			Anuvad Vigyan		MDC216										
Botany			Herbal Home Remedies		MDC217										
English			Contemporary India: Women and Empowerment		MDC218		2 -1 - 0				15	35	35		
olitical Science			Women Empowerment in India: Issues and Dimensions		MDC219										
hysical Education			Yoga-Vyayama		MDC220]									
ommerce			Macroeconomics		MDC221]									
eology			The Past Life on Earth		MDC222										
					•					-		-			
ffered By Discipline	Semester		Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem		Marks		Marks	Total Marks	Sem Marks
Discipline	Semester			Source 1,pe	course coue	Source Beauly		estaise creat	Credit	Practical	Theoretical	Practical	Theoretical	- Star Marks	Seni Marks

Offered By Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem	CA	Marks	ESE	Marks	Total Marks	Sem Marks
Onereu by Discipline	Semester	Course Name	Course Type	Course Coue	Course Details	L-I-I	Course Crean	Credit	Practical	Theoretical	Practical	Theoretical	i otar wiarks	Sem Marks
Geography		Bharatavarsha - A Land of Rare Natural Endowments		MDC301										
Sanskrit		The Vedangas and other Streams of Indian Knowledge System		MDC302										
Physics		Indian Astronomy		MDC303										
Zoology		Indian Health Sciences		MDC304										
Mathematics		Indian Mathematics		MDC305										

Education Political Sc			Indian Education Indian Polity and Economy		MDC306 MDC307								
Philosophy		Je	Methodology of Indian Knowledge System		MDC308								
Geology	ш	'ny	Remote Sensing and GIS	MD	MDC309	MDC-3	2 - 1 - 0	3	NA	15	35	50	NA
Physical Education			Indian Medical System and Yoga		MDC310								
Urdu			Urdu Gajal		MDC311								
Commerce			Indian Economy		MDC312								
Computer Science			Impact of Artificial Intelligence in Education		MDC313								
Physiology			Community Health Care		MDC314								

Offered By Discipline	Semester		Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem	CA Marks		ESE Marks		Total Marks	Som Marks
Onered by Discipline	Semester		Course Name	Course Type	Course course betains	L-1-1	Course crean	Credit	Practical	Theoretical	Practical	Theoretical	I Otal Walks	Selli Marks	
hysiology			Yoga and Health		VAC401										
hilosophy		1	Social Values and Ethics		VAC402	-									
Computer Science		-	Digital and Technological Solutions	VA	VAC403	VAC-2	4 - 0 - 0						35		
listory	IV	One	Understanding India		VAC404			4	NA		15			50	NA
conomics	1 v	-	Sustainable Development: Issues and Challenges		VAC405				INA						NA
Commerce			Goods and Services Tax		VAC406										
olitical Science			Basics of Indian Constitution		VAC407										
hysical Education			Integrated Self Defence		VAC408		0-2-4	-	ł	30		20			