

KAZI NAZRUL UNIVERSITY			FACULTY OF SCIENCE			DEGREE PROGRAMME: B.Sc. HONOURS IN MICROBIOLOGY			WITH EFFECT FROM THE ACADEMIC SESSION: 2020-21										
Abbreviated Degree	Discipline	Abbreviated 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					
BSCH	MICROBIOLOGY	BSCHMCB	I	Microbial World and Principles of Microbiology	C	BSCHMCBC101	CC-1	4 - 0 - 4	6	22	30	10	20	40	100	250 + Marks of GEC			
				Bacteriology and Systematics		BSCHMCBC102	CC-2	4 - 0 - 4	6										
				Choose from the Pool of Generic Elective Courses offered in 1st Semester by Honours Disciplines other than the Discipline in which Honours course is taken				GE	See Pool		GEC-1	See Pool	6	See Pool				Marks of GEC	
				Environmental Studies	AE	AEE101	AECC-1	4 - 0 - 0	4			10		40	50				
			II	Basic Biochemistry	C	BSCHMCBC201	CC-3	4 - 0 - 4	6	22	30	10	20	40	100	250 + Marks of GEC			
				Microbial Techniques and Instruments		BSCHMCBC202	CC-4	4 - 0 - 4	6										
				Choose from the Pool of Generic Elective Courses offered in 2nd Semester by Honours Disciplines other than the Discipline in which Honours course is taken				GE	See Pool		GEC-2	See Pool	6	See Pool				Marks of GEC	
				English/MIL Communication	AE	See Pool	AECC-2	4 - 0 - 0	4			10		40	50				
			III	Virology	C	BSCHMCBC301	CC-5	4 - 0 - 4	6	28	30	10	20	40	100	350 + Marks of GEC			
				Microbial Physiology and Metabolism		BSCHMCBC302	CC-6	4 - 0 - 4	6										
				Cell and Molecular Biology		BSCHMCBC303	CC-7	4 - 0 - 4	6										
				Choose from the Pool of Generic Elective Courses offered in 3rd Semester by Honours Disciplines other than the Discipline in which Honours course is taken				GE	See Pool		GEC-3	See Pool	6	See Pool				Marks of GEC	
				Microbial Quality Control in Food & Pharmaceutical Industries	(Any One)	SE	BSCHMCBSE301	SEC-1	4 - 0 - 0		4		10		40		50		
				Microbial Diagnostics and Public Health		BSCHMCBSE302	4 - 0 - 0		4			10		40					
			IV	Microbial Genetics	C	BSCHMCBC401	CC-8	4 - 0 - 4	6	28	30	10	20	40	100	350 + Marks of GEC			
				Environmental Microbiology and Microbial Ecology		BSCHMCBC402	CC-9	4 - 0 - 4	6										
				Industrial Microbiology		BSCHMCBC403	CC-10	4 - 0 - 4	6										
				Choose from the Pool of Generic Elective Courses offered in 4th Semester by Honours Disciplines other than the Discipline in which Honours course is taken				GE	See Pool		GEC-4	See Pool	6	See Pool				Marks of GEC	
				Food Fermentation Techniques	(Any One)	SE	BSCHMCBSE401	SEC-2	4 - 0 - 0		4		10		40		50		
			Microbial Products	BSCHMCBSE402		4 - 0 - 0	4			10		40							
			V	Medical & Veterinary Microbiology and Immunology	C	BSCHMCBC501	CC-11	4 - 0 - 4	6	24	30	10	20	40	100	400			
				Agriculture, Food and Dairy Microbiology		BSCHMCBC502	CC-12	4 - 0 - 4	6										
				Biophysics, Biomathematics & Biostatistics	(Any Two)	DSE	BSCHMCBDSE501	DSEC-1 & DSEC-2	4 - 0 - 4		6 X 2	30	10	20	40		100 X 2		
				Heredity and Evolution		BSCHMCBDSE502	4 - 0 - 4												
Microbial Biotechnology	BSCHMCBDSE503	4 - 0 - 4																	
VI	Advanced Microbiology	C	BSCHMCBC601	CC-13	4 - 0 - 4	6	24	30	10	20	40	100	400						
	Recombinant DNA Technology		BSCHMCBC602	CC-14	4 - 0 - 4	6													
	Project Work on Microbiology of Societal Importance	(Any Two)	DSE	BSCHMCBDSE601	DSEC-3 & DSEC-4	0 - 0 - 12		6 X 2	30	10	20	40		100 X 2					
	Basic Computer and Bioinformatics		BSCHMCBDSE602	4 - 0 - 4															
	Mycology and Phycology		BSCHMCBDSE603	4 - 0 - 4															
Total Credit and Marks										148	2000 + Marks of GEC								

Abbreviations: C= Core; CC=Core Course; AE= Ability Enhancement; AECC= Ability Enhancement Compulsory Course; GE= Generic Elective; GEC= Generic Elective Course; SE= Skill Enhancement; SEC= Skill Enhancement Course; DSE= Discipline Specific Elective; DSEC= Discipline Specific Elective Course; CA= Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable

Generic Elective Courses (GEC) : Students of a particular Honours Course will choose from the Pool of Generic Elective Courses offered by Disciplines other than the Discipline in which Honours course is taken

Semesterwise Pool of Generic Elective Courses offered by this Discipline

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		
MICROBIOLOGY	I	Microbial World and Diversity	GE	BSCHMCBGE101	GEC-1	4 - 0 - 4	6	NA	30	10	20	40	100	NA
	II	Bacteriology and Virology		BSCHMCBGE201	GEC-2	4 - 0 - 4	6							
	III	Industrial and Food Microbiology		BSCHMCBGE301	GEC-3	4 - 0 - 4	6							
	IV	Genetic Engineering and Biotechnology		BSCHMCBGE401	GEC-4	4 - 0 - 4	6							

Pool of Communication Courses offered as Ability Enhancement Compulsory Courses

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	II	English Communication	(Any One)	AE	AECCE201	AECC-2	4 - 0 - 0	4	NA	10	40	50	NA
		Bengali Communication			AECCEB201		4 - 0 - 0			10	40		
		Hindi Communication			AECCH201		4 - 0 - 0			10	40		
		Urdu Communication			AECU201		4 - 0 - 0			10	40		