

KAZI NAZRUL UNIVERSITY			FACULTY OF SCIENCE			DEGREE PROGRAMME: B.Sc. HONOURS IN MICROBIOLOGY			WITH EFFECT FROM THE ACADEMIC SESSION: 2022-23							
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	15	20	35	100	250 + Marks of GEC
				Bacteriology and Systematics		BSCHMCBC102	CC-2	4 - 0 - 4	6		30	15	20	35	100	
				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			15		35	50	
			II	Basic Biochemistry	C	BSCHMCBC201	CC-3	4 - 0 - 4	6	30	15	20	35	100	250 + Marks of GEC	
				Microbial Techniques and Instruments		BSCHMCBC202	CC-4	4 - 0 - 4	6	30	15	20	35	100		
				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		15		35	50		
			III	Virology	C	BSCHMCBC301	CC-5	4 - 0 - 4	6	30	15	20	35	100	350 + Marks of GEC	
				Microbial Physiology and Metabolism		BSCHMCBC302	CC-6	4 - 0 - 4	6	30	15	20	35	100		
				Cell and Molecular Biology		BSCHMCBC303	CC-7	4 - 0 - 4	6	30	15	20	35	100		
				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	SE	BSCHMCBSE301	SEC-1	4 - 0 - 0	4		15		35	50		
			Microbial Diagnostics and Public Health	(Any One)		BSCHMCBSE302		4 - 0 - 0	4		15		35	50		
			IV	Microbial Genetics	C	BSCHMCBC401	CC-8	4 - 0 - 4	6	30	15	20	35	100	350 + Marks of GEC	
				Environmental Microbiology and Microbial Ecology		BSCHMCBC402	CC-9	4 - 0 - 4	6	30	15	20	35	100		
				Industrial Microbiology		BSCHMCBC403	CC-10	4 - 0 - 4	6	30	15	20	35	100		
				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	SE	BSCHMCBSE401	SEC-2	4 - 0 - 0	4		15		35	50		
			Microbial Products	(Any One)		BSCHMCBSE402		4 - 0 - 0	4		15		35	50		
			V	Medical & Veterinary Microbiology and Immunology	C	BSCHMCBC501	CC-11	4 - 0 - 4	6	30	15	20	35	100	400	
				Agriculture, Food and Dairy Microbiology		BSCHMCBC502	CC-12	4 - 0 - 4	6	30	15	20	35	100		
				Biophysics, Biomathematics & Biostatistics	DSE	BSCHMCBDSE501	DSEC-1 & DSEC-2	4 - 0 - 4	6 X 2	30	15	20	35	100 X 2		
				Heredity and Evolution		BSCHMCBDSE502		4 - 0 - 4		30	15	20	35			
Microbial Biotechnology	(Any Two)	BSCHMCBDSE503		4 - 0 - 4		30		15		20	35					
VI	Advanced Microbiology	C	BSCHMCBC601	CC-13	4 - 0 - 4	6	30	15	20	35	100	400				
	Recombinant DNA Technology		BSCHMCBC602	CC-14	4 - 0 - 4	6	30	15	20	35	100					
	Project Work on Microbiology of Societal Importance	DSE	BSCHMCBDSE601	DSEC-3 & DSEC-4	0 - 0 - 12	6 X 2	60		40		100 X 2					
	Basic Computer and Bioinformatics		BSCHMCBDSE602		4 - 0 - 4		30	15	20	35						
	Mycology and Phycology		(Any Two)		BSCHMCBDSE603		4 - 0 - 4	30	15	20			35			
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	15	20	35	100	NA
	II	Bacteriology and Virology		BSCHMCBGE201	GEC-2	4 - 0 - 4	6		30	15	20	35	100	
	III	Industrial and Food Microbiology		BSCHMCBGE301	GEC-3	4 - 0 - 4	6		30	15	20	35	100	
	IV	Genetic Engineering and Biotechnology		BSCHMCBGE401	GEC-4	4 - 0 - 4	6		30	15	20	35	100	

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	15	35	50	NA
		Bengali Communication			AECCEB201		4 - 0 - 0			15	35		
		Hindi Communication			AECCH201		4 - 0 - 0			15	35		
		Urdu Communication			AECU201		4 - 0 - 0			15	35		