

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		30	10	20	40	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			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		30	10	20	40	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			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		30	10	20	40	100	
				Cell and Molecular Biology		BSCHMCBC303	CC-7	4 - 0 - 4	6		30	10	20	40	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 Microbial Diagnostics and Public Health	(Any One) SE	BSCHMCBSE301 BSCHMCBSE302	SEC-1	4 - 0 - 0 4 - 0 - 0	4			10		40	50	
			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		30	10	20	40	100	
				Industrial Microbiology		BSCHMCBC403	CC-10	4 - 0 - 4	6		30	10	20	40	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 Microbial Products	(Any One) SE	BSCHMCBSE401 BSCHMCBSE402	SEC-2	4 - 0 - 0 4 - 0 - 0	4			10		40	50	
			V	Medical and 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		30	10	20	40	100	
				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			30	10	20	40		
				Mycology and Phycology		BSCHMCBDSE503		4 - 0 - 4			30	10	20	40		
			VI	Advanced Microbiology	C	BSCHMCBC601	CC-13	4 - 0 - 4	6	24	30	10	20	40	100	350 / 400
Recombinant DNA Technology	BSCHMCBC602	CC-14		4 - 0 - 4		6	30	10	20		40	100				
Project Work on Microbiology of Societal Importance	(Any Two) DSE	BSCHMCBDSE601		DSEC-3 & DSEC-4	0 - 0 - 12	6 X 2	30		20			50				
Basic Computer and Bioinformatics		BSCHMCBDSE602			4 - 0 - 4		30	10	20		40	100				
Microbial Biotechnology		BSCHMCBDSE603			4 - 0 - 4		30	10	20		40	100				
Total Credit and Marks										148	1950 / 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				
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		30	10	20	40	100			
	III	Industrial and Food Microbiology		BSCHMCBGE301	GEC-3	4 - 0 - 4	6		30	10	20	40	100			
	IV	Genetic Engineering and Biotechnology		BSCHMCBGE401	GEC-4	4 - 0 - 4	6		30	10	20	40	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				
English/MIL Communication	II	English Communication	(Any One) AE	AECCE201	AECC-2	4 - 0 - 0	4	NA		10		40	50	NA		
		Bengali Communication		AECCE201		4 - 0 - 0				10		40				
		Hindi Communication		AECCH201		4 - 0 - 0				10		40				
		Urdu Communication		AECCU201		4 - 0 - 0				10		40				