

**Bachelor of Science (B.Sc.) Programme
Under Choice Based Credit System (CBCS)
Course Structure**

T.Y.B.Sc. [Microbiology]

(To be implemented from Academic Year 2025-26)

Course Code	Semester V	Credits	Course Code	Semester VI	Credits		
Discipline Specific Courses (DSC)			Discipline Specific Courses (DSC)				
Major Mandatory			Major Mandatory				
25_USMBM501	Microbial Genetics (T)	02	25_USMBM601	Virology & rDNA Technology (T)	02		
25_USMBM502	Medical Microbiology & Immunology : Part - I (T)	02	25_USMBM602	Medical Microbiology & Immunology : Part - II (T)	02		
25_USMBM503	Microbial Biochemistry : Part - I (T)	02	25_USMBM603	Microbial Biochemistry : Part - II (T)	02		
25_USMBM504	Microbiology Practical I (P)	02	25_USMBM604	Microbiology Practical V (P)	02		
25_USMBM505	Microbiology Practical II (P)	02	25_USMBM605	Microbiology Practical VI (P)	02		
Major Electives (Any 1)			Major Electives (Any 1)				
25_USMBE506	Bioprocess Technology : Part - I (T)	02	04	25_USMBE606	Bioprocess Technology : Part - II (T)	02	04
25_USMBE507	Microbiology Practical III (P)	02		25_USMBE607	Microbiology Practical VII (P)	02	
OR				OR			
25_USMBE508	Industrial Fermentation (T)	02		25_USMBE608	Clinical Microbiology & Infectious Diseases (T)	02	
25_USMBE509	Microbiology Practical IV (P)	02		25_USMBE609	Microbiology Practical VIII (P)	02	
Vocational Skill Course (VSC)			Vocational Skill Course (VSC)				
25_USMBV510	Medical Laboratory Technology : Part I (T)	02	25_USMBV610	Medical Laboratory Technology : Part II (T)	02		
25_USMBV511	Medical Laboratory Technology Practical I (P)	02	25_USMBV611	Medical Laboratory Technology Practical II (P)	02		
Field Project			On Job Training				
25_USMBF512	Field Project (P)	04	25_USMBJ612	On Job Training (P)	04		
Total Credits		22	Total Credits		22		