



# MATS UNIVERSITY

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## Bachelor of Science - Microbiology

B.Sc.					
Semester I					
Code	Subject	Credit	University	Internal Marks	Total Marks
		1Cr=10 hrs	Exam Marks		
<b>CORE COURSES</b>					
MSLS/BSC(MB)/101	Microbio I: General Microbiology	6	70	30	100
MSLS/BSC(MB)/102	Bioscience I: Plant Diversity	6	70	30	100
MSLS/BSC(MB)/103	Inorganic Chemistry I	6	70	30	100
MSLS/BSC(MB)/104	Organic Chemistry I	6	70	30	100
<b>CORE BRACKET COURSES</b>					
MSLS/BSC(MB)/105	Hindi - I	3	35	15	50
MSLS/BSC(MB)/106	English - I	3	35	15	50
<b>LABORATORY</b>					
MSLS/BSC(MB)/107	Micro I: General Microbiology	3	35	15	50
MSLS/BSC(MB)/108	Bioscience I: Plant Diversity	3	35	15	50
MSLS/BSC(MB)/109	Chemistry	3	35	15	50
<b>Value Adds</b>					
	Yoga & Meditation				
	<b>Total</b>	<b>39</b>	<b>455</b>	<b>195</b>	<b>650</b>
<b>Semester II</b>					
Code	Subject	Credit	University	Internal Marks	Total Marks
		1Cr=10 hrs	Exam Marks		
<b>CORE COURSES</b>					
MSLS/BSC(MB)/201	Microbio II: Biochemistry	6	70	30	100
MSLS/BSC(MB)/202	Bioscience II: Animal Kingdom	6	70	30	100
MSLS/BSC(MB)/203	Physical Chemistry I	6	70	30	100
<b>CORE BRACKET COURSES</b>					
MSLS/BSC(MB)/204	Hindi - II	3	35	15	50
MSLS/BSC(MB)/205	English - II	3	35	15	50
MSLS/BSC(MB)/206	Environmental Studies	3	35	15	50
MSLS/BSC(MB)/207	Computer Application & Biostatistics	3	35	15	50
<b>LABORATORY</b>					
MSLS/BSC(MB)/208	Microbio II: Biochemistry	3	35	15	50
MSLS/BSC(MB)/209	Bioscience II: Animal Kingdom	3	35	15	50
MSLS/BSC(MB)/210	Chemistry	3	35	15	50
<b>Value Adds</b>					
	Communication & Presentation Skills				
	<b>Total</b>	<b>39</b>	<b>455</b>	<b>195</b>	<b>650</b>

Semester III					
Code	Subject	Credit	University	Internal Marks	Total Marks
		1Cr=10 hrs	Exam Marks		
<b>CORE COURSES</b>					
MSLS/BSC(MB)/301	Microbio III: Microbial Physiology & Genetics	6	70	30	100
MSLS/BSC(MB)/302	Bioscience III: Structure, Development & Reproduction in Flowering plants	6	70	30	100
MSLS/BSC(MB)/303	Inorganic Chemistry II	6	70	30	100
MSLS/BSC(MB)/304	Organic Chemistry II	6	70	30	100
<b>CORE BRACKET COURSES</b>					
MSLS/BSC(MB)/305	Hindi III	3	35	15	50
MSLS/BSC(MB)/306	English III	3	35	15	50
<b>LABORATORY</b>					
MSLS/BSC(MB)/307	Microbiology III: Microbial Physiology & Genetics	3	35	15	50
MSLS/BSC(MB)/308	Bioscience III	3	35	15	50
MSLS/BSC(MB)/309	Chemistry	3	35	15	50
<b>Value Adds</b>					
	Technical Writing				
	<b>Total</b>	<b>39</b>	<b>455</b>	<b>195</b>	<b>650</b>
<b>Semester IV</b>					
Code	Subject	Credit	University	Internal Marks	Total Marks
		1Cr=10 hrs	Exam Marks		
<b>CORE COURSES</b>					
MSLS/BSC(MB)/401	Microbio IV: Molecular Biology & Genetic Engineering	6	70	30	100
MSLS/BSC(MB)/402	Bioscience IV: Medical Microbiology & Immunology	6	70	30	100
MSLS/BSC(MB)/403	Physical Chemistry II	6	70	30	100
MSLS/BSC(MB)/404	Entrepreneurship	6	70	30	100
<b>CORE BRACKET COURSES</b>					
MSLS/BSC(MB)/405	Hindi IV	3	35	15	50
MSLS/BSC(MB)/406	English IV	3	35	15	50
<b>LABORATORY</b>					
MSLS/BSC(MB)/407	Microbio IV: Mol Bio & GE	3	35	15	50
MSLS/BSC(MB)/408	Bioscience IV	3	35	15	50
MSLS/BSC(MB)/409	Chemistry	3	35	15	50
<b>Value Adds</b>					
	Personality Development				
	<b>Total</b>	<b>39</b>	<b>455</b>	<b>195</b>	<b>650</b>
<b>Semester V</b>					
Code	Subject	Credit	University	Internal Marks	Total Marks
		1Cr=10 hrs	Exam Marks		

<b>CORE COURSES</b>					
MSLS/BSC(MB)/501	Project Work	6	70	30	100
MSLS/BSC(MB)/502	Viva & Project Work Evaluation	6	70	30	100
MSLS/BSC(MB)/503	Microbio V: Environmental & Agricultural Microbiology	6	70	30	100
MSLS/BSC(MB)/504	Inorganic Chemistry III	6	70	30	100
MSLS/BSC(MB)/505	Organic Chemistry III	6	70	30	100
<b>CORE BRACKET COURSES</b>					
MSLS/BSC(MB)/506	Principles of Management	3	35	15	50
<b>LABORATORY</b>					
MSLS/BSC(MB)/507	Microbio V	3	35	15	50
MSLS/BSC(MB)/508	Chemistry	3	35	15	50
	<b>Total</b>	<b>39</b>	<b>455</b>	<b>195</b>	<b>650</b>
<b>Semester VI</b>					
Code	Subject	Credit	University	Internal Marks	Total Marks
		1Cr=10 hrs	Exam Marks		
<b>CORE COURSES</b>					
MSLS/BSC(MB)/601	Microbio VI: Food & Industrial Microbiology	6	70	30	100
MSLS/BSC(MB)/602	Bioscience V: Anatomy, Physiology & Reproductive biology	6	70	30	100
MSLS/BSC(MB)/603	Physical Chemistry III	6	70	30	100
MSLS/BSC(MB)/604	Principles of Marketing	6	70	30	100
<b>CORE BRACKET COURSES</b>					
MSLS/BSC(MB)/605	Hindi V	3	35	15	50
MSLS/BSC(MB)/606	English V	3	35	15	50
<b>LABORATORY</b>					
MSLS/BSC(MB)/607	Microbio VI	3	35	15	50
MSLS/BSC(MB)/608	Bioscience V	3	35	15	50
MSLS/BSC(MB)/609	Chemistry	3	35	15	50
<b>Value Adds</b>					
	Career Development				
	<b>Total</b>	<b>39</b>	<b>455</b>	<b>195</b>	<b>650</b>
	<b>GRAND TOTAL</b>				<b>3900</b>