



MATS UNIVERSITY

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Bachelor of Science - Biotechnology

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

Semester III					
Code	Subject	Credit	University	Internal Marks	Total Marks
		1Cr=10 hrs	Exam Marks		
CORE COURSES					
MSLS/BSC(BT)/301	Biotech III: Biochemistry & Plant Physiology	6	70	30	100
MSLS/BSC(BT)/302	Bioscience III: Structure, Development & Reproduction in Flowering plants	6	70	30	100
MSLS/BSC(BT)/303	Inorganic Chemistry II	6	70	30	100
MSLS/BSC(BT)/304	Organic Chemistry II	6	70	30	100
CORE BRACKET COURSES					
MSLS/BSC(BT)/305	Hindi III	3	35	15	50
MSLS/BSC(BT)/306	English III	3	35	15	50
LABORATORY					
MSLS/BSC(BT)/307	Biotech III	3	35	15	50
MSLS/BSC(BT)/308	Bioscience III	3	35	15	50
MSLS/BSC(BT)/309	Chemistry	3	35	15	50
Value Adds					
	Technical Writing				
	Total	39	455	195	650
Semester IV					
Code	Subject	Credit	University	Internal Marks	Total Marks
		1Cr=10 hrs	Exam Marks		
CORE COURSES					
MSLS/BSC(BT)/401	Biotech IV: Genetic Engineering	6	70	30	100
MSLS/BSC(BT)/402	Bioscience IV: Medical Microbiology & Immunology	6	70	30	100
MSLS/BSC(BT)/403	Physical Chemistry II	6	70	30	100
MSLS/BSC(BT)/404	Entrepreneurship	6	70	30	100
CORE BRACKET COURSES					
MSLS/BSC(BT)/405	Hindi IV	3	35	15	50
MSLS/BSC(BT)/406	English IV	3	35	15	50
LABORATORY					
MSLS/BSC(BT)/407	Biotech IV: Genetic Engineering	3	35	15	50
MSLS/BSC(BT)/408	Bioscience IV	3	35	15	50
MSLS/BSC(BT)/409	Chemistry	3	35	15	50
Value Adds					
	Personality Development				
	Total	39	455	195	650
Semester V					
Code	Subject	Credit	University	Internal Marks	Total Marks
		1Cr=10 hrs	Exam Marks		
CORE COURSES					
MSLS/BSC(BT)/501	Project Work	6	70	30	100

MSLS/BSC(BT)/502	Viva & Project Work Evaluation	6	70	30	100
MSLS/BSC(BT)/503	Biotech V: Industrial Biotechnology	6	70	30	100
MSLS/BSC(BT)/504	Inorganic Chemistry III	6	70	30	100
MSLS/BSC(BT)/505	Organic Chemistry III	6	70	30	100
CORE BRACKET COURSES					
MSLS/BSC(BT)/506	Principles of Management	3	35	15	50
LABORATORY					
MSLS/BSC(BT)/507	Biotech V: Industrial Biotechnology	3	35	15	50
MSLS/BSC(BT)/508	Chemistry	3	35	15	50
Total		39	455	195	650
Semester VI					
Code	Subject	Credit 1Cr=10 hrs	University Exam Marks	Internal Marks	Total Marks
CORE COURSES					
MSLS/BSC(BT)/601	Biotech VI: Plant & Animal Biotechnology	6	70	30	100
MSLS/BSC(BT)/602	Bioscience V: Anatomy, Physiology & Reproductive biology	6	70	30	100
MSLS/BSC(BT)/603	Physical Chemistry III	6	70	30	100
MSLS/BSC(BT)/604	Principles of Marketing	6	70	30	100
CORE BRACKET COURSES					
MSLS/BSC(BT)/605	Hindi V	3	35	15	50
MSLS/BSC(BT)/606	English V	3	35	15	50
LABORATORY					
MSLS/BSC(BT)/607	Biotech VI	3	35	15	50
MSLS/BSC(BT)/608	Bioscience V	3	35	15	50
MSLS/BSC(BT)/609	Chemistry	3	35	15	50
Value Adds					
	Career Development				
Total		39	455	195	650
GRAND TOTAL		234	2730	1170	3900