

Core Module						
M.Sc. Biochemistry 2 yr program						
SEMESTER I						
S. No	Course Code	Course Title	L	T	P	C
1	MSDB5013	Cell Biology	3	0	0	3
2	MSDB5002	Molecular Biology	4	0	0	4
3	MSDB5003	Biomolecules	4	0	0	4
4	MSBC5004	Enzymology	4	0	0	4
5	MSDB5007	Bioanalytical and Microbial Techniques	4	0	0	4
6	MSBC5005	Advanced Biochemistry Lab - I	0	0	4	2
7	MBSUCT1001	Laboratory Operation Techniques	2	0	0	0
		Total Credits				21
SEMESTER II						
S. No	Course Code	Course Title	L	T	P	C
1	MSDB5006	Immunology	4	0	0	4
2	MSDB5008	Biotechnology And Genetic Engineering	4	0	0	4
3	MSDB5010	Microbiology	4	0	0	4

4	MSBC5014	Bioenergetics and Intermediary Metabolism	3	0	0	3
5	MSBC5012	Advanced Biochemistry Lab - II	0	0	4	2
6	MLLUCT1001	Professional Communication	1	0	2	2
7	MBS28T2111	Research Methodology	2	0	0	2
8	MLEUCT1003	Creativity, Innovation and Entrepreneurship & IPR	1	0	0	1
9	M.....	Computational and Graphical Tools	2	0	0	0
		Total Credits				22

SEMESTER III

S. No	Course Code	Course Title	L	T	P	C
1	MSDB6001	Genetics	4	0	0	4
2	MSBC6004	Protein, Lipid and Nucleotide Metabolism	4	0	0	4
3	MSBC6005	Clinical And Nutritional Biochemistry	4	0	0	4

4	MSBC6006	Advanced Biochemistry	4	0	0	4
5	(Elective)	Computational Biology/ Bioethics, Bio-safety and IPR/ Toxicology/ Industrial Biochemistry/ Advanced Microbiology/ Plant –Pathogen interaction	3	0	0	3
6	MSBC6007	Advanced Biochemistry Lab - III	0	0	4	2
7	MLLUCT1003	Campus to Corporate	3	0	0	3
8	MSBC6008	Industry training	0	0	2	1
9	M.....	Start up, Innovation, Incubation and Entrepreneurship	2	0	0	0
		Total Credits				25
SEMESTER IV (22-24)						
S. No	Course Code	Course Title	L	T	P	C
1	MSBC9997	Dissertation	0	0	0	12
		Total Credit				12
SEMESTER-III Electives						

Sl. No.	Course Code	Course Title	L	T	P	C
1		Computational Biology	3	0	0	3
2		Bioethics, Bio-safety and IPR	3	0	0	3
3		Toxicology	3	0	0	3
4		Industrial Aspects in Life Science	3	0	0	3
5		Recent Trends in Biological Research	3	0	0	3
6		Pharmaceutical Biotechnology	3	0	0	3
7		Structural Biology and Vaccine Development	3	0	0	3