

## Programme Structure of M.Sc Biological Sciences

Category	Total Number of Credits
Programme Core	58
Skill Enhancement Course (SEC)	19
Ability Enhancement Compulsory Course (AECC)	2
Generic Elective (GE)	3
Discipline Specific Elective (DSE)	4
<b>Total Credits</b>	<b>86</b>

First Semester						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MSDB5001	Cell Biology	4	0	0	4
2	MSDB5002	Molecular Biology	4	0	0	4
3	MSDB5004	Fundamentals of Biochemistry	4	0	0	4
4	MSBS5004	Ecology	4	0	0	4
5	MSBS5005	Advanced Biological Science Lab- I	0	0	4	2
<b>Total Credits</b>						<b>18</b>
Second Semester						
Sl. No.	Course code	Course Title	L	T	P	C
1	MSDB5006	Immunology	4	0	0	4
2	MSDB5007	Bioanalytical and Microbial Techniques	4	0	0	4
3	MSDB5008	Biotechnology and Genetic Engineering	4	0	0	4
4	MSDB5009	Web based Course/ Seminar	0	0	0	2
5	MSDB5010	Microbiology	4	0	0	4
6	MSBS5011	Animal Physiology	4	0	0	4
7	MSBS5012	Advanced Biological Science Lab- II	0	0	4	2
<b>Total Credits</b>						<b>24</b>
Third Semester						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MSCR5001	Research Methodology <sup>s</sup>	3	0	0	3

2	MSDB6001	Genetics	4	0	0	4
3	MSBS6002	Plant Physiology	4	0	0	4
4	MSBS6003	Summer Training	0	0	0	3
5	MSBS6004	Protein Biology	4	0	0	4
6	MSBS6005	Evolution	4	0	0	4
7	MSDB*	Elective	4	0	0	4
8	MSBS6007	Advanced Biological Science Lab- III	0	0	4	2
<b>Total Credits</b>						<b>28</b>
<i><sup>s</sup> University Core Course</i>						
Fourth Semester						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MSBS9999	Dissertation	0	0	0	16
<b>Total Credits</b>						<b>16</b>

Electives						
Sl. No.	Course code	Course Title	L	T	P	C
1	MSDB6011	Computational Biology	4	0	0	4
2	MSDB6012	Bioethics, Bio-safety and IPR	4	0	0	4
3	MSDB6013	Toxicology	4	0	0	4
4	MSDB6016	Industrial Biochemistry	4	0	0	4
5	MSDB6017	Advanced Microbiology	4	0	0	4
6	MSDB6018	Plant –Pathogen interaction	4	0	0	4