Program Structure of M.Sc. Biological Science (2-years)

Dept. of Life Science

School of Biosciences and Technology

Summary of Credits

Course Category	For 2 years Program
University Core Courses	4
Program Core Courses	59
Electives	3
Industrial/Academic Internship	2
Dissertation	14
Total Credits	**82**

Curriculum Structure

M.Sc. Biological Science (2-years)

SEMESTER I						
S. No.	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credits**
1.		Advance Cytology	4	0	1	5
2.		Professional Communication	1	0	1	2
3.		Biochemistry	4	0	0	4
4.		Ecology	4	0	1	5
5.		Bioanalytical and Biophysical Techniques	4	0	1	5
		Total credit	19	0	2	21
SEMESTER II						
S. No.	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credits**
1.		Immunology	4	0	1	5
2.		Medical and Pharmaceutical Microbiology	4	0	1	5
3.		Microbiology	4	0	1	5
4.		Protein Biology	4	0	0	4
6.		Research Methodology	3	0	0	3
		Total credit	19	0	3	**22**
SEMESTER III						
S. No.	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credits**
1.		Biotechnology And Genetic Engineering	4	0	1	5
2.		Plant Physiology	4	0	0	4
3.		Animal Physiology	4	0	1	5
4.		Evolution	4	0	0	4
5.		**Elective**	2	0	1	3

		Total credit	19	0	2	**21**
SEMESTER IV						
S. No.	**Course Code**	**Course Name**	**L**	**T**	**P**	**Credits**
1.		Dissertation	0	0	14	14
2.		Research, Innovation and & IPR	2	0	0	2
3.		Industry training	0	0	2	2
		Total credit	2	0	16	**18**

List of Electives

S.No.	Course Code	Course name	L	T	P	C
1.		Genomics, Proteomics and Metabolomics	2	0	1	3
2.		Plant – Pathogen Interaction	2	0	1	3
3.		Toxicology	2	0	1	3
4.		Industrial Aspects in Life Science	2	0	1	3
5.		Nanotechnology	2	0	1	3
6.		Pharmaceutical Biotechnology	2	0	1	3
7.		Bioethics, Bio-safety and IPR	2	0	1	3
8.		Computational Biology and Bioinformatics	2	0	1	3