

Program Structure

MSc Biochemistry (1-year)

School of Biological and Life Sciences

Scheme: 2023-24

Summary of Credits

Course Category	For 1 year Program
University Core Courses	0
Program Core Courses	35
Electives	9
Industrial/Academic Internship	-
Dissertation	-
Total Credits	44

Curriculum Structure (23-24)

MSc Biochemistry (1-year)

SEMESTER I						
S. No.	Course Code	Course Name	L	T	P	Credits
1.		Enzymology	4	0	1	5
2.		Bioenergetics and Cellular Metabolism	4	0	0	4
3.		Advanced Biochemistry	4	0	1	5
4.		Elective -I	3	0	0	3
5.		Bioanalytical and Biophysical Techniques	4	0	0	4
		Total credit	19	0	2	21
SEMESTER II						
S. No.	Course Code	Course Name	L	T	P	Credits
1.		Microbiology	4	0	1	5
2.		Biotechnology And Genetic Engineering	4	0	1	5
3.		Immunology	4	0	0	4
4.		Proteomics, Genomics and Nanotechnology	3	0	0	3
5.		Elective - II	3	0	0	3
6.		Minor Project/ elective-III	3	0	0	3
		TOTAL	21	0	2	23

List of Electives					
Elective - I	Course Name	L	T	P	C
	Plant – Pathogen Interaction	3	0	0	3
	Computational Biology and Bioinformatics	2	0	1	3
	Systematics, Evolution and Ecology	3	0	0	3
	Medical Biochemistry	3	0	0	3

Elective-II	Course Name	L	T	P	C
	Toxicology	3	0	0	3
	Pharmaceutical Biotechnology	3	0	0	3
	Industrial Aspects in Life Science	2	0	1	3
Elective -III	Genetics: principle and advancements	3	0	0	3
	Campus to corporate	3	0	0	3
	Bioethics, Bio-safety and IPR	3	0	0	3