

## **Program Structure**

### **MSc Biomedical Science (1-year)**

**School of Biological and Life Sciences**

**Scheme: 2023-24**

### **Summary of Credits**

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

## Curriculum Structure (23-24)

### MSc Biomedical Science (1-year)

SEMESTER I						
S. No.	Course Code	Course Name	L	T	P	Credits
1.		Physiology	4	0	1	5
2.		Bioenergetics and Cellular Metabolism	4	0	0	4
3.		Concepts of Medicinal Chemistry	4	0	1	5
4.		<b>Elective -I</b>	3	0	0	3
5.		Bioanalytical and Biophysical Techniques	4	0	0	4
		<b>Total credit</b>	<b>19</b>	<b>0</b>	<b>2</b>	<b>21</b>
SEMESTER II						
S. No.	Course Code	Course Name	L	T	P	Credits
1.		Medical and Pharmaceutical 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.		<b>Elective - II</b>	3	0	0	3
6.		Minor Project/ Elective-III	3	0	0	3
		<b>Total credit</b>	<b>21</b>	<b>0</b>	<b>2</b>	<b>23</b>

List of Electives					
Elective - I	Course Name	L	T	P	C
	Medical Biochemistry	3	0	0	3
	Animal Behaviour and Environmental biology	3	0	0	3
	Plant – Pathogen Interaction	3	0	0	3
	Computational Biology and Bioinformatics	2	0	1	3

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