

School of Biotechnology  
One Year M.Sc.(Research) in  
Biotechnology Programme [2  
Semesters]

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S.No.	Code	Course Title	Credits
<b>SEMESTER 1</b>			
1	BtMSc	Genetic engineering and Immunology	4
2	BTMSc	Elective I	2
3	BtMSc 505	Bioprocess technology and Downstream processing	4
6	BTMA445	Basics of Mathematics and Biostatistics	2
7	BtMSc	Elective II	2
	BTMSc	Elective III	2
	BTMSc	Seminar	1
8	BtMSc 513	Dissertation I	6
9	BtMSc 515	Laboratory I: Bioprocess and Downstream Processing	2
11	--	General Proficiency	0
<b>TOTAL</b>			<b>25</b>
<b>SEMESTER 2</b>			
1	BtMSc 602	Dissertation II	22
2	--	General Proficiency	0
<b>TOTAL</b>			<b>22</b>

**Total Credits = 47**

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**Choice for electives**

<b>S.No.</b>	<b>Course Code</b>	<b>Course Name</b>	<b>Credits</b>
1.		Molecular and Cellular Biology	2
2.		Computational Biology	2
3.		Genomics and Proteomics	2
4.		Structural and Molecular Bioinformatics	2
5.		Infectious Disease Biology	2
6.		Molecular Diagnostics	2
7.		Protein Engineering	2
8.		Microbiome Biotechnology	2
9.		Cancer Biology and Drug Discovery	2
10.		Nanobiotechnology	2