

Master of Science (Biotechnology)
Total Credit: 80

FIRST SEMESTER					SECOND SEMESTER						
Code	Course Name	L	T	P	C	Code	Course Name	L	T	P	C
BIO6101	Cell & Molecular Biology	3	1	0	4	BIO6201	Advanced Biochemistry	3	1	0	4
BIO6102	Fundamental & Applied Microbiology	3	1	0	4	BIO6202	Plant Biotechnology	3	1	0	4
BIO6103	Bio-analytical Techniques	3	1	0	4	BIO6203	Genetic Engineering	3	1	0	4
BIO6170	Seminar	0	0	0	1	MAS6205	Research Methodology and Technical Writing	2	1	0	3
BIO6130	Biotechnology Lab-I	0	0	6	2	BIO6230	Biotechnology Lab-III	0	0	6	2
BIO6131	Biotechnology Lab-II	0	0	6	2	BIO6231	Biotechnology Lab-IV	0	0	6	2
						XXXXXXX	OPEN Elective/MOOC	3	0	0	3
		9	3	12	17			14	4	2	22
Total Contact Hours (L + T + P)		24				Total Contact Hours (L + T + P)+OE			30		
THIRD SEMESTER					FOURTH SEMESTER						
Code	Course Name	L	T	P	C	Code	Course Name	L	T	P	C
BIO7101	Advanced Genetics	2	1	0	3	BIO7270	Project Dissertation	0	0	0	16
BIO7102	Bioprocess Engineering	3	1	0	4						
BIO7103	Structural Biology & Bioinformatics	2	1	0	3						
MAS7117	Statistics for Biologists	2	1	0	3						
BIO7130	Biotechnology Lab-V	0	0	6	2						
BIO7131	Biotechnology Lab-VI	0	0	6	2						
XXXXXXX	DSE I	3	1	0	4						
XXXXXXX	DSE II	3	1	0	4						
		15	6	12	25			0	0	0	16
Total Contact Hours (L + T + P)		33							16		

Discipline Specific Electives (DSE)
III
<p>Discipline Specific Electives 1</p> <ul style="list-style-type: none">• BIO7140: Animal Biotechnology• BIO7141: Enzyme Technology• BIO7142: Immuno Technology <p>Discipline Specific Electives 2</p> <ul style="list-style-type: none">• BIO7143: Developmental Biology• BIO7144: Physiology• BIO7145: Environmental Biotechnology and Applications