

M.Sc. Biotechnology

Semester	Theory	Practical	Name of paper	Contact Hours / week (Credit)
				L- T- P (Credit)
Semester 1	MScBT 101		Biochemistry	3-0-0 (3)
	MScBT 102		Instrumentation and Biophysics	3-0-0 (3)
	MScBT 103		Molecular Biology and Genetics	3-0-0 (3)
	MScBT 104		Introductory Mathematics and Biostatistics	3-0-0 (3)
		MScBT 191	Biochemistry and Analytical Techniques	0-0-8 (4)
		MScBT 192	Microbiology	0-0-8 (4)
		MScBT 193	Genetic Engineering Lab	0-0-8 (4)
Semester 2	MScBT 201		Immunology and Virology	3-0-0 (3)
	MScBT 202		Agriculture Biotechnology	3-0-0 (3)
	MScBT 203		Bioinformatics & Computer Application	3-0-0 (3)
	MScBT 204		Cell Development Model Organism, Genomics & Proteomic	3-0-0 (3)
		MScBT 291	Immunology	0-0-8 (4)
		MScBT 292	Soil and Agriculture Biotechnology	0-0-8 (4)
		MScBT 293	Bioinformatics & Computer	0-0-8 (4)
	MScBT 301		Bioprocess Technology & Downstream Processing	3-0-0 (3)
	MScBT 302	Food Biotechnology	3-0-0 (3)	
	MScBT 303	Environmental Biotechnology	3-0-0 (3)	
	MScBT 304	Animal Biotechnology	3-0-0 (3)	
		MScBT 391	Bioreactor operations	0-0-8 (4)
		MScBT 392	Food and Environmental Biotechnology	0-0-8 (4)
		MScBT 381	Summer Internship	(2+2)
		MScBT 382	Seminar leading to project/ Project Proposal Presentation	(2)
Semester 4	MScBT 401		BioEntrepreneurship & IPR	3-0-0 (3)
	MScBT 402		Pharmaceutical Biotechnology	3-0-0 (3)
	MScBT 403		Advanced Industrial Biotechnology	3-0-0 (3)
	MScBT 404		Medical Biotechnology	3-0-0 (3)
	MScBT 405		Advanced Environmental Biotechnology	3-0-0 (3)
		MScBT 491	Grand Viva	(4)
		MScBT 481	Project	(2+4)