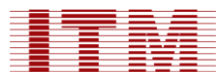


Program: B.Sc. Biotechnology - 2024-25.
School of Sciences
Thematic Distribution
Course Clusters

Name of the Programme	Category	Semester	Course code	Course Name	Credits
B.Sc (Hons.) Biotechnology	Core Biotechnology and Biological Sciences	I	BSBT 101	Fundamentals of Biochemistry	4
		I	BSBT102	General Microbiology	4
		I	BSBT 103	Cell Structure & Dynamics	4
		I & III	BSBT 201, 301	Molecular Biology – I & II	4
		II	BSBT 202	Immunology	4
		IV	BSBT 401	Genetic engineering	4
		III	BSBT 302	Plant tissue culture	4
		VI	BSBT 601	Animal tissue culture	4
		VII	DSE V A	Medical microbiology	3
		VII	DSE V B	Medical biotechnology	3
		VII	BSBT 701	Drug designing	4
		VI	BSBT 602	Nanobiotechnology	3
		IV	BSBT 403	Enzymology	
		VI	DSE IV	Frontiers in Biotechnology and Microbiology	3
	Applied and Analytical Sciences	I	SEC I	Bioinstrumentation	3
		II	BSBT 203	Analytical Chemistry	4
		II	SEC II	Basics of Forensic Sciences	3
		V	BSBT 501	Bioinformatics	4
		VIII	DSE VII	Food and dairy microbiology	3
		VI	DSE VI	Industrial microbiology	3
		VII	BSBT 702	Research Methodology	3
		IV	SEC IV	Bioethics and Biosafety	3
	Research and analytical skills	VII	BSBT 702	Research Methodology	3
		II	BSBT 203	Analytical Chemistry	4
		IV	BSBT402	Bioprocess Engineering	4
		I	GE I A	Animal Diversity	3
		II	GE II A	General and Comparative Anatomy of Vertebrates	3
		III	BSBT 303	Genetics	4



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"CELEBRATING DREAMS"

	Botany/Zoology and Comparative Anatomy	IV	GE IVA	Plant Physiology	3
		IV	GE IV B	Animal Physiology	3
	Languages and Communication	I	AEC I	English	2
		II	AEC II	Hindi	2
	Environmental and Sustainability Sciences	I	VAC I	Environmental Science	2
		III	VAC III	Disaster management	2
		IV	VAC IV	Sustainable development & Ecology	2
		VI	DSE II	Waste management	3
	Advanced Biotechnology	IV	BSBT 401	Recombinant DNA Technology	4
		V	BSBT 503	Genomics and Proteomics	4
		VI	DSE IV	Molecular Diagnostics	3
		VIII	DSE VII	Pharmaceutical Biotechnology	3
		VIII	BSBT-801	Proteomics and Protein interaction	3

