

List of Electives

No.	Title	L	T	P	C
BT3210	Biomanufacturing	3	0	0	3
BT3220	Animal Biotechnology	3	0	0	3
BT3230	Biotechnology for Healthcare	3	0	0	3
BT3240	Metabolic Regulation	3	0	0	3
BT4210	Unit Operations in Biochemical Engineering	3	0	0	3
BT4220	Systems Theory	3	0	0	3
BT4230	Environmental Biotechnology	3	0	0	3
BT4240	Food Biotechnology	3	0	0	3
BT4250	Microbial and Enzyme Technology	3	0	0	3
BT4260	Spectroscopic Methods in Biology	3	0	0	3
BT4270	Bioethics (Self Study)	3	0	0	3
BT4280	IPR Issues in Biotechnology (Self Study)	3	0	0	3
BT4290	Regulatory Issues in Biotechnology (Self Study)	3	0	0	3
BT5210	Bioprocess Control	3	0	0	3
BT5220	Tissue Engineering	3	0	0	3
BT5230	Molecular Modeling and Drug Discovery	3	0	0	3
BT5240	Systems Biology	3	0	0	3
BT5250	Synthetic Biology	3	0	0	3
BT5260	Plant Cell Bioprocessing	3	0	0	3
BT5270	Principles of Neuroscience	3	0	0	3
BT5280	Biocatalysis and Biotransformations	3	0	0	3
BT5290	Biomolecular Crystallography	3	0	0	3
BT5310	Human Genetics	3	0	0	3
BT5320	Medicinal Chemistry & Drug Design	3	0	0	3
BT5330	Human Physiology	3	0	0	3
BT5340	Protein Folding and Stability	3	0	0	3
CH5440	Multivariate Data Analysis for Process Modeling and Monitoring	3	0	0	3
PH5461	Introduction to Physics of the Cell	3	0	0	3
BT6210	Statistical Mechanics in Biology	3	0	0	3
BT6220	Theoretical Biophysics	3	0	0	3
BT6230	Vascular Biology	3	0	0	3
BT6240	Bioprocess Modeling and Simulation	3	0	0	3
BT6250	Process Equipment Design	3	0	0	3
BT6260	Advanced Organic Chemistry	3	0	0	3
BT6270	Computational Neuroscience	3	0	0	3
BT6280	Chemical Biology	3	0	0	3
BT6290	Molecular Basis of Diseases	3	0	0	3
BT6310	Cancer Biology	3	0	0	3
BT7210	Protein Structure and Function	3	0	0	3
BT7220	Advanced Biochemistry	3	0	0	3
BT7230	Advanced Molecular and Cellular Biology	3	0	0	3

L - Lecture; T - Tutorial; P - Practical; C - Credits