

B.Tech (Biotechnology)

1st Semester

Subject Code	Subject Title
Theory	
MAB101	Remidial Mathematics
THU101	Professional Communication
TCS101	Fundamental Of Computers and intro. To C prog.
TCH101	Engg. Chemistry
TME102	Engg. Mechanics
TEV101	Enviornental Science
BTE101	Basic Biotechnology
THF101	Healthy Living and Fitness
	PDP
Labs	
PCS151	Computer Lab
PCH151	Chemistry Lab
PME153	Computer Aided Engg. Graphics

2nd Semester

Subject Code	Subject Title
Theory	
MAB201	Advanced Mathmatics
THU201	Advanced Professional Communication
TCS201	Programming in C
TPH201	Engg. Physics
TME201	Basic Mechanical Engg.
EEC201	Basic Electrical & Electronics Engg.
BTE201	Advanced organic chemistry
Labs	
PCS251	Computer Lab
PPH251	Physics Lab
PEE251	Electronics and Electrical Lab
SGP251	Seminar

3rd Semester

Subject Code	Subject Title
Theory	
TBT301	Cell Biology
TBT302	Microbiology
TBT303	Biochemistry
TBT304	Genetics
TBT305	Bio-Analytical Techniques
	Career Skills
Labs	
PBT301	Cell Biology and Genetics lab
PBT302	Microbiology Lab
PBT303	Biochemistry lab
SBT306	Seminar

4th Semester

Subject Code	Subject Title
Theory	
TBT401	Biophysics
TBT402	Immunology
TBT403	Molecular Biology
TBT404	Enzymology and Enzyme Technology
TBT405	Engineering principle and Calculations
XCS401	Career Skills
Labs	
PBT402	Immunology lab
PBT403	Molecular Biology Lab
PBT404	Enzymology and Enzyme Technology lab
SBT406	Seminar

5th Semester

Subject Code	Subject Title
Theory	
TBT501	RDT
TBT502	Bioreactor Analysis & Design
TBT503	Bioprocess Engineering
TBT504	DSP
TBT505	Protein Engineering
TBT506	Principle and Practices of Management
XCS501	Career Skills
Labs	
PBT501	RDT Lab
PBT504	DSP Lab
SBT507	Seminar

6th Semester

Subject Code	Subject Title
Theory	
TBT601	Microbial Biotechnology
TBT602	Food & Beverage Technology
TBT603	Animal Biotechnology
TBT604	Plant Biotechnology
TBT605	Environmental Biotechnology
	Career Skills
Labs	
PBT601	Microbial Biotechnology and Food & Beverage Technology Lab
PBT603	Animal Biotechnology lab
PBT604	Plant Biotechnology lab
SBT606	Seminar

7th Semester

Subject Code	Subject Title
Theory	
TBT701	Bioinformatics and Biostatistics
TBT702	IPR, Bioethics and Biosafety
TBT704	Elective-I
TBT705	Elective –II
	PDP
Labs	
PBT701	Bioinformatics and Biostatistics Lab
PBT705	Elective –II lab
PBT706	Mini Project
SBT706	Seminar

8th Semester

Subject Code	Subject Title
Theory	
TBT811	Nano-Biotechnology
TBT812	Omics Technologies
TBT813	Biosensors and Bioelectronics
Labs	
PBT820	Major Project
SBT814	Seminar

Electives I

Cancer Biology
Stem Cell Technology
Pharmaceutical Biotechnology
Major Project

Electives II

Python
PERL
SAS-R