First Semester

Induction Program

Applied Mathematics - I

Communicative English

Fundamentals of Programming - I

Principles of Physics

Environmental Science

Workshop Technology

Second Semester

Applied Mathematics - II

Professional Communication Skills

Fundamentals of Programming - II

Fundamentals of Engineering

Engineering Drawings

Indian Constitution

Third Semester

Effective Technical Communication

Biochemistry

Microbiology

Genetics

Biophysics

Cell & Molecular Biology

Plant Biology

Technical Seminar

> Fourth Semester

Bioprocess Engineering

Green Biotechnology and Pollution Abetment

Immunology & Immuno- technology

rDNA Technology

Structural Biology

Bioinformatics & Computational Biology

Environmental Science

Engineering Economics

Comprehensive viva voice

> Fifth Semester

Entrepreneurship and Startups

Metabolic Engineering

Analytical Techniques

Cheminformatics & Medicinal Chemistry

Good Manufacturing and Laboratory Practice

Professional Elective-I

Open Subject-I

Indian Constitution

Summer Internship-I

> Sixth Semester

Bioseparation Engineering

Synthetic & Systems Biology

Animal & Plant Biotechnology

Professional Elective-II

Open Subject-II

Seventh Semester

Intellectual Property Rights (IPR) & Regulatory

Data analysis and simulations

Professional Elective-III

Professional Elective-IV

Open Subject-III

Open Subject-IV

Project-I

Summer Internship-II

Eighth Semester

Project-II (Biotech Industrial or Biotech In- house Project or Bio-Entrepreneurship/startups)