



IIMSR

Imperial Institute of Management Science & Research

A Unit Of Wales Educational Trust

Bachelor Programme In Biotechnology

Duration: 04 Year

Lateral Entry: 03 Year

Total Fee: 78,000

Semester: 1

1. English
2. Mathematics-I
3. Physics
4. Chemistry
5. Basic Engineering-I (Civil and Mech.)
6. Material science

Semester: 3

1. Immunology
2. Microbiology
3. Chemical process calculations
4. Mechanical operations & heat transfer
5. Biostatistics
6. Computer Skills

Semester: 5

1. Vector Biology and Gene manipulation
2. Animal Biotechnology
3. Analytical techniques
4. Plant Biotechnology
5. Medical Biotechnology
6. Mass Transfer

Semester: 7

1. Bioreactor design
2. Bioseparation Technology
3. Fermentation technology
4. Food Biotechnology

Semester: 2

1. Mathematics-LS II
2. Principles of Environmental Science
3. Biochemistry
4. Basic Engineering II
5. Enzyme technology
6. Genetics and Cytogenetics

Semester: 4

1. Personality and Development-I
2. Molecular Biology
3. Bioprocess Principles
4. Biophysics
5. Momentum Transfer
6. Chemical Engineering Thermodynamics

Semester: 6

1. Personality Development II
2. Protein Engineering
3. Bioinformatics
4. Instrumentation and Process control
5. Genomics and Proteomics
6. Plant Biotechnology I

Semester: 8

1. Bioethics, IPR & Patent rights
2. Bionanotechnology
3. Viva
4. Project Work