



i^2 Biological Sciences (Semesters 5 – 10)

Core - Biology

Biochemistry
Bioinformatics
Biostatistics
Cell Biology
Developmental Biology
Genetics & Genome Biology
Immunology
Microbiology
Molecular Biology
Physiology
Structural Biology

Thematic - Systems & Synthetic Biology

Systems Biology - theory & applications
Synthetic Biology
Biomaterials
Microbiome & Vaccinology

Thematic - Precision Imaging & Medicine

Biological spectroscopy & microscopy
Bio-imaging & Processing
Stem Cells & Regenerative Medicine
Human Genetics, Gene Therapy
Personal Genomics

Electives - Biology

Neurobiology
Chronobiology
Ecological Interactions
Evolutionary Ecology
Cancer Biology
Plant Molecular Biology
Host Pathogen Interactions
Cryo-Electron microscopy and 3D image processing for Life sciences.

Electives - Open

Machine Learning
Biophysical Chemistry
Enzymology & Biocatalysts
Chemical Genomics
Probability & Stochastic Processes
Theory of Ordinary Differential Equations

General Courses

Communication Skills + Technical Writing
Intellectual Property Rights
Languages
Economics
Psychology

Research

Full time research project + project management, presentation and entrepreneurial skills.

Research Internships