i^2 Chemical Sciences (Semesters 5 – 10)

Core - Chemistry
Organic Chemistry Reaction and Mechanism
Coordination Chemistry
Quantum Chemistry
Physical Chemistry II
Organic Chemistry Synthetic Methods
Organometallic Chemistry
Advanced Organic Chemistry
Main Group Chemistry
Chemical Kinetics and Dynamics
Instrumental Methods for Structure Determination

Thematic - Chemical Biology, Medicinal Chemistry
Molecular Biology
Cell Biology
Medicinal Chemistry
Biophysical Chemistry
Enzymology and Biocatalysts
Pharmacology and Pharmacokinetics
Computational Chemical Biology
Chemical Genomics

Thematic - Biomaterials
Biochemistry & Bioconjugation
Biomaterials
Soft Matter and Polymers

Electives - i^2 Sciences
Bioinformatics
Immunology
Developmental Biology
Microbiome and Vaccinology
Solid-State Chemistry
Drug Discovery Design and Development
Supramolecular Chemistry
Modern Organic Synthesis
Principles of Digital Imaging
Sensor Technology
Digital Image Processing
Material Characterization

General Courses
Communication Skills + Technical Writing
Intellectual Property Rights
Languages
Economics
Psychology
Music

Research Projects + Internships
Independent research projects + project management, presentation and entrepreneurial skills.