

Basic schedule for MSc Chemistry and LST: 2024-2025

Quarter 1	Quarter 2	Quarter 3	Quarter 4
Academic Writing (2 EC)	Academic Writing (2 EC)	Academic Writing (2 EC)	Bio-Inorganic Catalysis
Biological and Biomedical Informatics		Antibiotics: Synthesis, Mechanisms of Action & Resistance (4 EC)	Computational Techniques for Chemical Biology
Bionanotechnology	Biomaterials	Chemical Biology	In-vivo Biomolecular Interactions Underlying Diseases
Biosynthetic and Pharmaceutical Chemistry	Cell Membranes and Membrane Transport (4 EC)	Chromatin Organisation and Function (4 EC)	Metals and Life
Chemical Immunology	Density Functional Theory in Practice	Electrochemistry	Medicinal Chemistry & Drug Discovery
Computational Chemistry and Molecular Simulations	Integrated Cell Biology (2 EC)	Enzyme Dynamics: NMR Spectroscopy and Kinetics	Photosynthesis and Bioenergy
Organometallic Chemistry and Homogeneous Catalysis	Molecular Aspects of RNA Viruses (4 EC)	Macromolecular Crystallography	Quantitative MRI in Disease Diagnosis (5 EC)
Scientific Computing and Programming	Molecular Cell Biology	Modern Organic Chemistry	Spectroscopy on Chemical Reactions and Environments
Supramolecular Chemistry	Reactivity in Organic Chemistry	Photochemistry	
Synthetic Organic Chemistry (5 EC)	Science Methodology (4 EC)	Protein Folding, Misfolding and Disease (4 EC)	
	Surface Science for Heterogeneous Catalysis	Quantum Reaction Dynamics	
	Theory of Spectroscopy and Molecular Properties		

All courses 6 EC unless otherwise indicated