Basic schedule for MSc Chemistry and LST: 2023-2024

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

All courses 6 EC unless otherwise indicated