Basic schedule for MSc Chemistry and LST: 2025-2026

Quarter 1	**Quarter 2**	**Quarter 3**	**Quarter 4**
Academic and Professional Skills 1	Academic and Professional Skills 2	Academic and Professional Skills 1	Academic and Professional Skills 2
Biosynthetic and Pharmaceutical Chemistry	Immunotherapy and Technology	Antibiotics: Synthesis, Mechanisms of Action & Resistance	Bio-Inorganic Catalysis
Bionanotechnology	Cell Membranes and Membrane Transport	Advanced Gene Regulation	Computational Techniques for Chemical Biology
Computational Chemistry and Molecular Simulations	Density Functional Theory in Practice	Chemical Biology	In-vivo Biomolecular Interactions Underlying Diseases
Organometallic Chemistry and Homogeneous Catalysis (6 EC)	Molecular Cell Biology	Dynamics of Molecule-Surface Reactions	Metals and Life
Photochemistry	Reactivity in Organic Chemistry	Electrochemistry	Medicinal Chemistry & Drug Discovery
Protein Structures for Drug Discovery	Science Methodology	Enzyme Dynamics: NMR Spectroscopy and Kinetics	Molecules of Life
Proteomics for drug discovery and biomedical research	Surface Science for Heterogeneous Catalysis	Molecular Nanotechnology	Quantitative MRI in Disease Diagnosis
Supramolecular Biomaterials		Modern Organic Chemistry	Spectroscopy for Chemistry and Materials Science
Synthetic Organic Chemistry		Photosynthesis and Bioenergy	Solid State Chemistry and Physics
		Protein Folding, Misfolding and Design	
	Integrated Cell Biology (2 EC)		
Scientific Computing and Programming (6 EC)			

All courses 5 EC unless otherwise indicated