Basic schedule for MSc Chemistry and LST: 2026-2027

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	Bionanotechnology	Advanced Gene Regulation	Bio-Inorganic Catalysis
Computational Chemistry and Molecular Simulations	Cell Membranes and Membrane Transport	Antibiotics: Synthesis, Mechanisms of Action & Resistance	Computational Techniques for Chemical Biology
Organometallic Chemistry and Homogeneous Catalysis (6 EC)	Density Functional Theory in Practice	Chemical Biology	Human Impact on Earth: Anthropocene
Photochemistry	Immunotherapy and Technology	Dynamics of Molecule-Surface Reactions	In-vivo Biomolecular Interactions Underlying Diseases
Protein Structures for Drug Discovery	Molecular Cell Biology	Electrochemistry	Medicinal Chemistry & Drug Discovery
Supramolecular Biomaterials	Reactivity in Organic Chemistry	Enzyme Dynamics: NMR Spectroscopy and Kinetics	Metals and Life
Synthetic Organic Chemistry (6 EC)	Science Methodology	Modern Organic Chemistry	Quantitative MRI in Disease Diagnosis
	Surface Science for Heterogeneous Catalysis	Molecular Nanotechnology	Solid State Chemistry and Physics
	Theory of Spectroscopy and Molecular Properties (6 EC)	Photosynthesis and Bioenergy	Spectroscopy for Chemistry and Materials Science
		Protein Folding, Misfolding and Design	
Scientific Computing and Programming (6 EC)			

All courses 5 EC unless otherwise indicated