

Basic schedule for MSc Chemistry and LST: 2022-2023

Quarter 1	Quarter 2	Quarter 3	Quarter 4
Academic Writing (2 EC)	Academic Writing (2 EC)	Antibiotics: Synthesis, Mechanisms of Action & Resistance (4 EC) <i>new course by Stephan Hacker</i>	Bio-Inorganic Catalysis
Biological and Biomedical Informatics <i>new name for BMI</i>		Academic Writing (2 EC)	Chemical Immunology
Bionanotechnology	Biomaterials	Chemical Biology	Computational Techniques for Chemical Biology
Computational Chemistry and Molecular Simulations	Cell Membranes and Membrane Transport (4 EC) <i>new course by Lars Jeuken</i>	Electrochemistry	Cross-domain Chromatin Organisation (4 EC)
Molecular Chemistry	Density Functional Theory in Practice	Enzyme Dynamics: NMR Spectroscopy and Kinetics	Integrated Cell Biology (2 EC)
Molecular Nanotechnology	Heterogeneous Catalysis	In-vivo Biomolecular Interactions Underlying Diseases	Macromolecular Crystallography <i>new course by Steffen Brünle & Sebastian Geibel</i>
Organometallic Chemistry and Homogeneous Catalysis	Integrated Cell Biology (2 EC)	Modern Organic Chemistry	Medicinal Chemistry & Drug Discovery
Scientific Computing and Programming	Metals and Life	Photochemistry	Photosynthesis and Bioenergy
Supramolecular Chemistry	Molecular Aspects of RNA Viruses (4 EC)	Protein Folding, Misfolding and Design <i>updated version of DSB by Aimee Boyle & Anne Wentink</i>	Spectroscopy on Chemical Reactions and Environments
Surface Science	Molecular Cell Biology	Quantitative Imaging in Life Sciences (4 EC)	
Synthetic Organic Chemistry (5 EC)	Reactivity in Organic Chemistry	Quantum Reaction Dynamics	
	Theory of Spectroscopy and Molecular Properties		

All courses 6 EC unless otherwise indicated