

Bachelor Scheikunde

Jaar 1

Periode 1	Periode 2	Periode 3	Periode 4	Periode 5	Periode 6
Fundamentals in Chemistry (5 EC)	Introduction to Organic Chemistry (5 EC)	Chemistry of Life (6 EC)	Molecular Analysis (6 EC)	Inorganic Chemistry (6 EC)	Quantum Chemistry and Modelling (6 EC)
General Chemistry Lab (3 EC)	Organic Chemistry Lab (3 EC)		Thermodynamics (6 EC)	Physics for Chemical Sciences (6 EC)	
Mathematics 1 for Chemical Sciences (3 EC)	Mathematics 2 for Chemical Sciences (3 EC)				
Academic Skills in Chemistry (2 EC)					

Jaar 2

Naast de kernvakken volg je alle vakken van twee richtingen en je kiest twee vakken van de andere richtingen.

Periode 1	Periode 2	Periode 3	Periode 4	Periode 5	Periode 6
Organic Chemistry (6 EC)	Coordination and Organometallic Chemistry (6 EC)	Reflection on Chemistry (3 EC)		Catalysis (6 EC)	Research Project Chemistry (6 EC)
	Bioorganic Chemistry (6 EC)		Biochemistry (6 EC)	Biostructural Elucidation (6 EC)	
Essentials of Analytical Chemistry (6 EC)		Data Analysis and Programming (3 EC)	Molecular Spectroscopy (6 EC)	Unravelling Molecular Structure and Function (6 EC)	
Mathematics for Computational Chemistry (6 EC)	Molecular Computational Chemistry (6 EC)		Physical Chemistry of Materials (6 EC)		
Professional Skills in Chemistry					

Jaar 3

Naast de kernvakken kies je één richting om je in te specialiseren.

Periode 1	Periode 2	Periode 3	Periode 4	Periode 5	Periode 6
Artificial Photosynthesis (6 EC)	Green and Industrial Chemistry (6 EC)	Research Project (6 EC)	Advanced Synthesis (6 EC)	Bachelorproject (18 EC)	
Enzymes and Biocatalysis (6 EC)	Chemical Biology (6 EC)		Biomolecular Modeling (6 EC)		
Data Processing (6 EC)	Light on Matter (6 EC)		Analytical Environmental Chemistry (6 EC)		
Programming and Algorithms (6 EC)	AI for Chemistry (6 EC)	Quantum Mechanics for Chemists (6 EC)			
Keuzevakken / Minor / International Exchange Programme (30 EC)			Literature Research and Academic English (5 EC)		
Professional Skills in Chemistry (1 EC)					

■ Kernvakken

■ Keuzevakken

■ Richting: Chemistry of Life

■ Richting: Synthesis & Sustainability

■ Richting: Analytics & Photonics

■ Richting: Quantum & Computing