

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

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

Periode 1	Periode 2	Periode 3	Periode 4	Periode 5	Periode 6
Artificial Photosynthesis (6 EC)	Green and Industrial Chemistry (6 EC)	Elective 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)		
			Literature Research and Academic English (5 EC)		
Minor / International Exchange Programme (30 EC)					
Professional Skills in Chemistry					

- Kernvakken
- Keuzevakken
- Chemistry of Life
- Synthesis & Sustainability
- Analytics & Photonics
- Quantum & Computing

Keuzevakken

Jaar 3

Periode 1

- Analytical and Environmental Chemistry
- Functional Materials
- Organometallic Chemistry

Periode 2

- Artificial Photosynthesis and Solar Fuels
- Green and Industrial Chemistry
- Introduction to Scientific Programming for Chemists
- Synthesis of Biomolecules

Periode 4

- Biomarkers and Proteomics
- Catalysis
- Computational and Structural Biology
- Mathematics for Quantum Chemistry