GHENT UNIVERSITY

Study Programme

Academic year 2024-2025

Faculty of Sciences

Preparatory Course Master of Science in Chemistry -- Materials and Nano Chemistry

Language of instruction: Dutch

Programme version 1

1 General Courses

Subscribe to 1 module from the following list. Subject to approval by the faculty.

1.1 Intake BSc in Physics and in Physics and Astronomy 20 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E070310	Organic Chemistry *Filip Du Prez -- Department of Organic Chemistry*	6			A:2	180
2	C003971	Chemical Thermodynamics *Zeger Hens -- Department of Chemistry*	5			A:1	150
3	E070410	Analytical Chemistry	3				90
4	E068660	Polymers *Filip Du Prez -- Department of Organic Chemistry*	6			A:1	180

1.2 Intake BSc in Chemical Engineering and Materials Science 10 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C003972	Electronic Structure *Patrick Bultinck -- Department of Chemistry*	5			A:1	135
2	C003973	Symmetry and Spectroscopy *Patrick Bultinck -- Department of Chemistry*	5			A:2	135

1.3 Intake BSc in Engineering: Engineering Physics 20 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E070310	Organic Chemistry *Filip Du Prez -- Department of Organic Chemistry*	6			A:2	180
2	C003971	Chemical Thermodynamics *Zeger Hens -- Department of Chemistry*	5			A:1	150
3	E070410	Analytical Chemistry	3				90
4	E068660	Polymers *Filip Du Prez -- Department of Organic Chemistry*	6			A:1	180

1.4 Intake BSc in Bioscience Engineering: Chemistry and Food Technology 13 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C003972	Electronic Structure *Patrick Bultinck -- Department of Chemistry*	5			A:1	135
2	C003973	Symmetry and Spectroscopy *Patrick Bultinck -- Department of Chemistry*	5			A:2	135
3	C003984	Materials Chemistry *Pascal Van Der Voort -- Department of Chemistry*	3			A:1	85

1.5 Intake BSc in Engineering Technology: Chemical Engineering Technology 36 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C003971	Chemical Thermodynamics *Zeger Hens -- Department of Chemistry*	5			A:1	150
2	C003984	Materials Chemistry *Pascal Van Der Voort -- Department of Chemistry*	3			A:1	85

3	C003983	Electrochemistry and Chemical Kinetics *Katrien Strubbe -- Department of Chemistry*	4	A:1	115
4	C004360	Quantum View on Chemistry *Patrick Bultinck -- Department of Chemistry*	4	A:2	120
5	C004359	Capita Selecta Experimentation *Klaartje De Buysser -- Department of Chemistry*	10	A:J	250
6	C003972	Electronic Structure *Patrick Bultinck -- Department of Chemistry*	5	A:1	135
7	C003973	Symmetry and Spectroscopy *Patrick Bultinck -- Department of Chemistry*	5	A:2	135

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the cours name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Kroatian/Serbian	zh: Chinese
cs: Czech	el: Greek	fr: French	nl: Dutch	pt: Portuguese	sl: Slovene	
da: Danish	en: English	it: Italian	no: Norwegian	ru: Russian	sv: Swedish	

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2.
When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.
When a semester is shown in brackets, the course in not offered this year in the specific offering.
The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually	c: annually, from 2025-2026	f: annually, from 2026-2027	i: annually, from 2027-2028
b: tri-annually	d: bi-annually, from 2025-2026	g: bi-annually, from 2026-2027	j: bi-annually, from 2027-2028
	e: tri-annually, from 2025-2026	h: tri-annually, from 2026-2027	k: tri-annually, from 2027-2028