

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 <i>Filip Du Prez -- Department of Organic Chemistry</i>	6			A:2	180
2	C003971 Chemical Thermodynamics <i>Zeger Hens -- Department of Chemistry</i>	5			A:1	150
3	E070410 Analytical Chemistry <i>Frank Vanhaecke -- Department of Chemistry</i>	3			A:1	90
4	E068660 Polymers <i>Filip Du Prez -- Department of Organic Chemistry</i>	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 <i>Patrick Bultinck -- Department of Chemistry</i>	5			A:1	135
2	C003973 Symmetry and Spectroscopy <i>Patrick Bultinck -- Department of Chemistry</i>	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 <i>Filip Du Prez -- Department of Organic Chemistry</i>	6			A:2	180
2	C003971 Chemical Thermodynamics <i>Zeger Hens -- Department of Chemistry</i>	5			A:1	150
3	E070410 Analytical Chemistry <i>Frank Vanhaecke -- Department of Chemistry</i>	3			A:1	90
4	E068660 Polymers <i>Filip Du Prez -- Department of Organic Chemistry</i>	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 <i>Patrick Bultinck -- Department of Chemistry</i>	5			A:1	135
2	C003973 Symmetry and Spectroscopy <i>Patrick Bultinck -- Department of Chemistry</i>	5			A:2	135
3	C003984 Materials Chemistry <i>Pascal Van Der Voort -- Department of Chemistry</i>	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 <i>Zeger Hens -- Department of Chemistry</i>	5			A:1	150

2	C003984	Materials Chemistry <i>Pascal Van Der Voort -- Department of Chemistry</i>	3	A:1	85
3	C003983	Electrochemistry and Chemical Kinetics <i>Katrien Strubbe -- Department of Chemistry</i>	4	A:1	115
4	C004360	Quantum View on Chemistry <i>Patrick Bultinck -- Department of Chemistry</i>	4	A:2	120
5	C004359	Capita Selecta Experimentation <i>Johan Winne -- Department of Organic Chemistry</i>	10	A:J	250
6	C003972	Electronic Structure <i>Patrick Bultinck -- Department of Chemistry</i>	5	A:1	135
7	C003973	Symmetry and Spectroscopy <i>Patrick Bultinck -- Department of Chemistry</i>	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 course name, using the following ISO codes:

bg: Bulgarian	de: German	es: Spanish	ja: Japanese	pl: Polish	sh: Croatian/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 is 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 2021-2022	f: annually, from 2022-2023	i: annually, from 2023-2024
b: tri-annually	d: bi-annually, from 2021-2022	g: bi-annually, from 2022-2023	j: bi-annually, from 2023-2024
	e: tri-annually, from 2021-2022	h: tri-annually, from 2022-2023	k: tri-annually, from 2023-2024