

Faculty of Sciences

Exchange Programme in Chemistry (master's level)

Language of instruction: English

Programme version 5

## 1 General Courses

The exchange programme contains a preferred list of English courses taught at UGent of the Master of Science in Chemistry. If you want to choose another course of the main programme, please contact the [departmental Erasmus coordinator](#).

Tips for completing your Learning Agreement:

- Please check the [departmental rules](#) for incoming students.
- A minimum of 20 ECTS credits per semester is required, of which 15 from the chemistry programme.
- Up to 25% of the courses can be taken from a different programme.
- Research projects are possible provided some criteria are met. Each research project must be worth a minimum of 15 ECTS credits. We strictly require that a research promotor (professor) has been found well ahead of your arrival and that a subject has been identified. Under no circumstances can research projects still be arranged after arrival. Every research project will be appropriately defended and marked in a (semi) public defense.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004125 Advanced Organic Chemistry Annemieke Madder -- Department of Organic Chemistry	6			A:1	180
2	C004126 Advanced Macromolecular Chemistry Filip Du Prez -- Department of Organic Chemistry	6			A:1	180
3	C004127 Molecular Structure Analysis José Martins -- Department of Organic Chemistry	6			A:1	150
4	C004128 Molecular Physical Chemistry Zeger Hens -- Department of Chemistry	6			A:1	180
5	C004129 Integrated Problems in Organic and Polymer Chemistry Johan Winne -- Department of Organic Chemistry	6			A:1	180
6	C004130 Foundations of NMR and XRD for Structure Analysis José Martins -- Department of Organic Chemistry	4			A:2	120
7	C004131 Organic Separation Techniques and Mass Spectrometry Frederic Lynen -- Department of Organic Chemistry	4			A:2	120
8	C004135 Chemical Biology Simon Devos -- Department of Biochemistry, Physiology and Microbiology	4			A:2	120
9	C004136 Asymmetric and Bioorganic Chemistry Johan Van der Eycken -- Department of Organic Chemistry	4			(A:2) <sup>d</sup>	120
10	C004137 Synthetic Methods and Strategies Johan Winne -- Department of Organic Chemistry	4			A:2	105
11	C004138 Homogeneous Catalysis Catherine Cazin -- Department of Chemistry	4			A:2	100
12	C004139 Polymer Materials: Biomedical and Sustainable Aspects Peter Dubrueel -- Department of Organic Chemistry	4			A:2	100
13	C004140 Nanomaterials Chemistry Pascal Van Der Voort -- Department of Chemistry	6			A:1	180
14	C004141 Materials Physics Zeger Hens -- Department of Chemistry	6			A:1	180
15	C004142 Surface Topology, Internal Structure and Composition Mieke Adriaens -- Department of Chemistry	6			A:1	180
16	C004143 Integrated Problems in Materials and Nanochemistry Klaartje De Buysser -- Department of Chemistry	6			A:1	180
17	C004144 Topics in Nanoscience Pieter Geiregat -- Department of Chemistry	4			A:2	120

18	C004145	Functional Ceramics Klaartje De Buysser -- Department of Chemistry	4	A:2	110
19	C004146	The f-Elements Rik Van Deun -- Department of Chemistry	4	A:2	100
20	C004147	Advanced Quantum Chemistry Patrick Bultinck -- Department of Chemistry	4	A:2	115
21	C004148	Computational Quantum Chemistry Patrick Bultinck -- Department of Chemistry	8	A:2	210
22	C004149	Light and Matter Pieter Geiregat -- Department of Chemistry	4	A:2	120
23	C004150	Bioinorganic Chemistry Kristof Van Hecke -- Department of Chemistry	4	A:2	120
24	C004151	Heterogeneous Catalysis Pascal Van Der Voort -- Department of Chemistry	4	A:2	120
25	C004152	Structure Analysis by X-ray Diffraction Klaartje De Buysser -- Department of Chemistry	4	A:2	120
26	C004153	Chemometrics Laszlo Vincze -- Department of Chemistry	3	A:1	85
27	C004154	Applications in Analytical and Environmental Sciences Anna Kaczmarek -- Department of Chemistry	6	A:1	170
28	C004155	Analytical Methods for Material Characterization Mieke Adriaens -- Department of Chemistry	9	A:1	270
29	C004157	Principle and Applications of Stable Isotope Analysis Frank Vanhaecke -- Department of Chemistry	3	A:2	90
30	C004159	Advanced X-ray Spectroscopy Laszlo Vincze -- Department of Chemistry	3	A:2	90
31	C004160	Analytical Raman Spectroscopy Anastasia Rousaki -- Department of Chemistry	3	A:2	75
32	C004169	Advanced Topics in Chemistry Klaartje De Buysser -- Department of Chemistry	3	A:1	90
33	C003242	Research Project	0	A:1, C:J, B:2	0

#### 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 2022-2023	f: annually, from 2023-2024	i: annually, from 2024-2025
b: tri-annually	d: bi-annually, from 2022-2023	g: bi-annually, from 2023-2024	j: bi-annually, from 2024-2025
	e: tri-annually, from 2022-2023	h: tri-annually, from 2023-2024	k: tri-annually, from 2024-2025