

Faculty of Sciences

Exchange Programme in Chemistry (master's level)

Language of instruction: English

Programme version 7

1 General Courses

The exchange programme contains a preferred list of English courses taught at UGent of the Master of Science in Chemistry.

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	C004131 Organic Separation Techniques and Mass Spectrometry <i>Frederic Lynen -- Department of Organic Chemistry</i>	4			A:2	120
2	C004125 Advanced Organic Chemistry <i>Annemieke Madder -- Department of Organic Chemistry</i>	6			A:1	180
3	C004126 Advanced Macromolecular Chemistry <i>Filip Du Prez -- Department of Organic Chemistry</i>	6			A:1	180
4	C004127 Molecular Structure Analysis <i>Frederic Lynen -- Department of Organic Chemistry</i>	6			A:1	150
5	C004128 Molecular Physical Chemistry <i>Zeger Hens -- Department of Chemistry</i>	6			A:1	180
6	C004129 Integrated Problems in Organic and Polymer Chemistry <i>Johan Winne -- Department of Organic Chemistry</i>	6			A:1	180
7	C004135 Chemical Biology <i>Annemieke Madder -- Department of Organic Chemistry</i>	4			A:2	120
8	C004458 Enzyme-Catalyzed Organic Synthesis: Principles and Applications <i>Johan Van der Eycken -- Department of Organic Chemistry</i>	4			A:2	120
9	C004137 Synthetic Methods and Strategies <i>Johan Winne -- Department of Organic Chemistry</i>	4			A:2	105
10	C004138 Homogeneous Catalysis <i>Catherine Cazin -- Department of Chemistry</i>	4			A:2	100
11	C004139 Polymer Materials: Biomedical and Sustainable Aspects <i>Peter Dubruel -- Department of Organic Chemistry</i>	4			A:2	100
12	C004140 Nanomaterials Chemistry <i>Pascal Van Der Voort -- Department of Chemistry</i>	6			A:1	180
13	C004141 Materials Physics <i>Zeger Hens -- Department of Chemistry</i>	6			A:1	180
14	C004142 Surface Topology, Internal Structure and Composition <i>Mieke Adriaens -- Department of Chemistry</i>	6			A:1	180
15	C004143 Integrated Problems in Materials and Nanochemistry <i>Iwan Moreels -- Department of Chemistry</i>	6			A:1	180
16	C004144 Topics in Nanoscience <i>Pieter Geiregat -- Department of Chemistry</i>	4			A:2	120
17	C004145 Functional Ceramics <i>Klaartje De Buysser -- Department of Chemistry</i>	4			A:2	110

18	C004146	The f-Elements <i>Rik Van Deun -- Department of Chemistry</i>	4		100
19	C004147	Advanced Quantum Chemistry <i>Patrick Bultinck -- Department of Chemistry</i>	4	A:2	115
20	C004149	Light and Matter <i>Pieter Geiregat -- Department of Chemistry</i>	4	A:2	120
21	C004150	Bioinorganic Chemistry <i>Kristof Van Hecke -- Department of Chemistry</i>	4	A:2	120
22	C004151	Heterogeneous Catalysis <i>Pascal Van Der Voort -- Department of Chemistry</i>	4	A:2	120
23	C004152	Structure Analysis by X-ray Diffraction <i>Klaartje De Buysser -- Department of Chemistry</i>	4	A:2	120
24	C004153	Chemometrics <i>Laszlo Vincze -- Department of Chemistry</i>	3	A:1	85
25	C004154	Applications in Analytical and Environmental Sciences <i>Anna Kaczmarek -- Department of Chemistry</i>	6	A:1	170
26	C004157	Principle and Applications of Stable Isotope Analysis <i>Pascal Boeckx -- Department of Green Chemistry and Technology</i>	3	A:2	90
27	C004159	Advanced X-ray Spectroscopy <i>Laszlo Vincze -- Department of Chemistry</i>	3	A:2	90
28	C004160	Analytical Raman Spectroscopy <i>Peter Vandenabeele -- Department of Chemistry</i>	3	A:2	75
29	C004169	Advanced Topics in Chemistry <i>Klaartje De Buysser -- Department of Chemistry</i>	3	A:1	90
30	C004457	Atmospheric Chemistry and Global Change <i>Crist Amelynck -- Department of Chemistry</i>	3	(A:2) ^d	90
31	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 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