Study Programme

Academic year 2025-2026

GHENT UNIVERSITY

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

18	C004146	The f-Elements	4		100
		N. N.			
19	C004147	Advanced Quantum Chemistry	4	A:2	115
		Patrick Bultinck -- Department of Chemistry			
20	C004149	Light and Matter	4	A:2	120
		Pieter Geiregat -- Department of Chemistry			
21	C004150	Bioinorganic Chemistry	4	A:2	120
		Kristof Van Hecke -- Department of Chemistry			
22	C004151	Heterogeneous Catalysis	4	A:2	120
		Pascal Van Der Voort -- Department of Chemistry			
23	C004152	Structure Analysis by X-ray Diffraction	4	A:2	120
		Jolien Dendooven -- Department of Solid State Sciences			
24	C004153	Chemometrics	3	A:1	85
		Laszlo Vincze -- Department of Chemistry			
25	C004154	Applications in Analytical and Environmental Sciences	6	A:1	170
		Anna Kaczmarek -- Department of Chemistry			
26	C004157	Principle and Applications of Stable Isotope Analysis	3	A:2	90
		Frank Vanhaecke -- Department of Chemistry			
27	C004159	Advanced X-ray Spectroscopy	3	A:2	90
		Laszlo Vincze -- Department of Chemistry			
28	C004160	Analytical Raman Spectroscopy	3	A:2	75
		Peter Vandenabeele -- Department of Chemistry			
29	C004169	Advanced Topics in Chemistry	3	A:1	90
		Klaartje De Buysser -- Department of Chemistry			
30	C004457	Atmospheric Chemistry and Global Change	3	A:2[a]	90
		Crist Amelynck -- Department of Chemistry			
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 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 2026-2027	f: annually, from 2027-2028	i: annually, from 2028-2029
b: tri-annually	d: bi-annually, from 2026-2027	g: bi-annually, from 2027-2028	j: bi-annually, from 2028-2029
	e: tri-annually, from 2026-2027	h: tri-annually, from 2027-2028	k: tri-annually, from 2028-2029