

## Study Programme

Academic year 2024-2025

Faculty of Sciences Bachelor of Science in Chemistry

## Language of instruction: Dutch Programme version 8

1	General	Courses				150 c	redits
Nr	Course		CRDT	Ref	MT1	Session	Study
1	C003963	General Chemistry Isabel Van Driessche Department of Chemistry	9		1	A:J	240
2	C003964	Chemical Structures Zeger Hens Department of Chemistry	9		1	A:J	260
3	C004113	Mathematics: Basic Concepts Carol Zamfirescu Department of Mathematics, Computer Science and Statistics	6		1	A:1	180
4	C004114	Mathematics: Advanced Techniques Carol Zamfirescu Department of Mathematics, Computer Science and Statistics	6		1	A:2	180
5	C003967	Physics: Mechanics Matthieu Boone Department of Physics and Astronomy	4		1	A:1	120
6	C003968	Physics: Waves, Optics and Thermodynamics Pieter Geiregat Department of Chemistry	5		1	A:2	135
7	C003080	Programming Peter Dawyndt Department of Mathematics, Computer Science and Statistics	5	UKV	1	A:1	150
8	C003944	General Biochemistry: Molecules of Life Bart Devreese Department of Biochemistry, Physiology and Microbiology	5		1	A:2	125
9	C004544	Chemistry in a Sustainable Society Frederic Lynen Department of Organic Chemistry	6		1	A:J	180
10	C003970	Experimentation in Chemistry 1 Klaartje De Buysser Department of Chemistry	5		1	A:J	125
11	C003971	Chemical Thermodynamics Zeger Hens Department of Chemistry	5		2	A:1	150
12	C003972	Electronic Structure Patrick Bultinck Department of Chemistry	5		2	A:1	135
13	C003973	Symmetry and Spectroscopy Patrick Bultinck Department of Chemistry	5		2	A:2	135
14	C003974	Inorganic Chemistry [en] Steven Nolan Department of Chemistry	3		2	A:2	90
15	C003975	Structural Analysis José Martins Department of Organic Chemistry	5		2	A:2	140
16	C003976	Analytical Chemistry: Introduction Peter Vandenabeele Department of Chemistry	4		2	A:1	120
17	C003977	Spectroscopic Methods of Analysis Laszlo Vincze Department of Chemistry	4		2	A:2	120
18	C003978	Organic Reactivity 1 Johan Winne Department of Organic Chemistry	4		2	A:1	120
19	C003979	Organic Reactivity 2 Johan Winne Department of Organic Chemistry	6		2	A:2	180
20	C000337		4		2	A:1	120
21	C003980	Electromagnetism Pieter Geiregat Department of Chemistry	5		2	A:1	140

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22 C003981	Exploring, Evaluating and Exploiting Opportunities (Entrepreneurship) in Chemistry Bart Clarysse Department of Marketing, Innovation and Organisation	3		2	A:J	90
23 C003982	Experimentation in Chemistry 2 Johan Winne Department of Organic Chemistry	7		2	A:J	175
24 C003983	Electrochemistry and Chemical Kinetics Katrien Strubbe Department of Chemistry	4		3	A:1	115
25 C003984	Materials Chemistry Pascal Van Der Voort Department of Chemistry	3		3	A:1	85
26 C003985	Electrochemical Analysis and Mass Spectrometry Mieke Adriaens Department of Chemistry	4		3	A:1	120
27 C003986	Analytical Separation Methods Frederic Lynen Department of Organic Chemistry	3 3 A:1				
28 C003987	Organic Synthesis Bruno Linclau Department of Organic Chemistry	4 3 A:1				
29 C003988	Polymer Chemistry Filip Du Prez Department of Organic Chemistry	4		3	A:1	105
30 C003989	Cellular Biochemistry Francis Impens Department of Biomolecular Medicine	3		3	A:1	90
31 C003990	Experimentation in Chemistry 3 Johan Winne Department of Organic Chemistry	5		3	A:1	135
2 Minors					30 c	credits
2.1 Minor	nave followed the Minor Education, can enter directly into the educational mast Research and Development to less than 24 and no more than 30 credit units from the following list, with 5 cr			rence a.	30	credits
Nr Course		CRDT	Ref	MT1	Session	Study
1 C003991	Quality Assurance, Healthcare and Environmental Management in the Chemical Industry <i>Kristof Van Hecke Department of Chemistry</i>	5	а	3	A:2	130
2 C004005	Bachelor Project [en] Sandra Van Vlierberghe Department of Organic Chemistry	15		3	A:2	405
3 C003992	Internship Research & Development [nl, en] Richard Hoogenboom Department of Organic Chemistry	21		3	A:2, B:2	540
4 C000833	Project Management Mario Vanhoucke Department of Business Informatics and Operations Management	4		3	A:2	120
5 F000551	Business Skills [en] Mieke Audenaert Department of Marketing, Innovation and Organisation	4		3	C:2	120
2.1.1 Electi	ve Courses UGent					
	o more than 6 credit units from the study programmes of UGent, distributed over e than 6 credit units in year 3.	er the firs	t standar	d learning p	ath as	
	Multidisciplinary Profile				30	credits
	5 credit units from no less than 1 and no more than 2 modules from the followir	·	Pof		Sossian	Study
Nr Course 1 C003993	Multidisciplinary Bachelor Project [en] Annemieke Madder Department of Organic Chemistry	CRDT 15	Ref	MT1 3	Session A:2	Study 405
2.2.1 Electiv	ve Courses UGent					
Pharmaceutica	o more than 15 credit units to be chosen from other study programmes of the fa I Sciences or faculty of (Bioscience) Engineering allowing a focus on another or andard learning path as follows: no more than 15 credit units in year 3.				distributed	
	ve Courses of an University of the Flemish Community					
from the study	o more than 15 credit units to be chosen from the study programme from anoth programme from another university college allowing a focus on another discipl rd learning path as follows: no more than 15 credit units in year 3.					
2.3 Minor					30	credits
		ODDT	5 (	B 477 4	<u> </u>	

Nr Course CRDT Ref MT1 Session Study

1 H002169	Powerful Learning Environments Bram De Wever Department of Educational Studies	6	3	A:1	180		
2 H002175	Teaching Methodology: Sciences Katrien Strubbe Department of Chemistry	6	3	A:J	180		
3 H002170	Reference Internship: Sciences Katrien Strubbe Department of Chemistry	3	3	A:J	90		
4 C004005	Bachelor Project [en] Sandra Van Vlierberghe Department of Organic Chemistry	15	3	A:2	405		
2.4 Minor Internationalisation 30 credits							
Subscribe to 30 credit units to be chosen from the study programmes of another European institute for higher education, including a Bachelor Project that will be completed abroad, distributed over the first standard learning path as follows: 30 credit units in year 3, and over the second standard learning path as follows: 30 credit units in year 6. Subject to approval by the faculty.							
Nr Course		CRDT Ref	MT1	Session	Study		

30

3

A:2

900

Teaching

1

C003619 Study Programme Abroad [en, nl]

Anna Kaczmarek -- Department of Chemistry

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: anr
b: tri-annually	d: bi-a
-	e tri-

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