

Master of Science in Chemistry -- (Bio)Organic and Polymer Chemistry

Language of instruction: English

Programme version 3

1 Courses Related to the Main Subject 108 credits

1.1 General Courses 30 credits

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004125	Advanced Organic Chemistry <i>Annemieke Madder -- Department of Organic Chemistry</i> Indicative price: € 0	6		1	A:1	180
2	C004126	Advanced Macromolecular Chemistry <i>Filip Du Prez -- Department of Organic Chemistry</i> Indicative price: € 0	6		1	A:1	180
3	C004127	Molecular Structure Analysis <i>Kristof Van Hecke -- Department of Chemistry</i> Indicative price: € 0	6		1	A:1	150
4	C004128	Molecular Physical Chemistry <i>Zeger Hens -- Department of Chemistry</i> Indicative price: € 15	6		1	A:1	180
5	C004129	Integrated Problems in Organic and Polymer Chemistry <i>Johan Winne -- Department of Organic Chemistry</i> Indicative price: € 0	6		1	A:1	180

1.2 Specialization Courses 12 credits

Subscribe to 12 credit units from the following list, distributed over the first standard learning path as follows: 12 credit units in year 1.
 Subject to approval by the faculty.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004131	Organic Separation Techniques and Mass Spectrometry <i>Frederic Lynen -- Department of Organic Chemistry</i> Indicative price: € 0	4		1	A:2	120
2	C004132	Natural Product Chemistry <i>Ulrich Hennecke -- Vrije Universiteit Brussel</i> Indicative price: unknown	4		1	A:2	120
3	C004133	Medicinal Chemistry <i>Steven Ballet -- Vrije Universiteit Brussel</i> Indicative price: unknown	4		1	A:2	120
4	C004134	Asymmetric Synthesis <i>Ulrich Hennecke -- Vrije Universiteit Brussel</i> Indicative price: unknown	4		1	A:2	105
5	C004135	Chemical Biology <i>Simon Devos -- Department of Biomolecular Medicine</i> Indicative price: € 0	4		1	A:2	120
6	C004458	Enzyme-Catalyzed Organic Synthesis: Principles and Applications Indicative price: € 0	4		1	A:2	120
7	C004137	Synthetic Methods and Strategies <i>Johan Winne -- Department of Organic Chemistry</i> Indicative price: € 0	4		1	A:2	105
8	C004138	Homogeneous Catalysis <i>Catherine Cazin -- Department of Chemistry</i>	4		1	A:2	100

[Indicative price: € 0](#)

9	C004139	Polymer Materials: Biomedical and Sustainable Aspects <i>Peter Dubruel -- Department of Organic Chemistry</i> Indicative price: € 0	4	1	A:2	100
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1.3 Scientific and Professional Skills

66 credits

Subscribe to 66 credit units from the following list, with 30 credit units with reference a.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004165	Professional Skills of the Sustainable Chemist <i>Sandra Van Vlierberghe -- Department of Organic Chemistry</i> Indicative price: € 0	6		1	A:J	150
2	C004166	Master Thesis, Research Plan <i>Filip Du Prez -- Department of Organic Chemistry</i> Indicative price: unknown	9		1	A:2	270
3	C004167	Master Thesis, Research Project <i>Laszlo Vincze -- Department of Chemistry</i> Indicative price: unknown	21		2	A:1	630
4	C004168	Industrial Internship <i>Richard Hoogenboom -- Department of Organic Chemistry</i> Indicative price: unknown	30	a	2	A:2	900
5	C004191	Academic Internship <i>Anna Kaczmarek -- Department of Chemistry</i> Indicative price: unknown	30	a	2	A:2	900

2 Elective Courses

12 credits

Subscribe to 12 credit units from no less than 1 and no more than 4 modules from the following list. Subject to approval by the faculty.

2.1 In-depth Chemistry

Subscribe to no more than 4 credit units from the specialization courses of the different main subject of the Master in Chemistry.

2.2 Industry and Management

Subscribe to no more than 12 credit units from the following list.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	E076460	Dare to Venture <i>Johan Verruel -- Department of Marketing, Innovation and Organisation</i> Indicative price: unknown	4		1	A:2	120
2	E076471	Dare to Start <i>Wouter Haerick -- Department of Information Technology</i> Indicative price: unknown	3		1	A:2	90
3	F000845	Business Administration [nl] <i>Mirjam Knockaert -- Department of Marketing, Innovation and Organisation</i> Indicative price: € 35	4		1	A:2	120
4	F000551	Business Skills <i>Mieke Audenaert -- Department of Marketing, Innovation and Organisation</i> Indicative price: € 46	4		1	C:2	120
5	C000833	Project Management [nl] <i>Mario Vanhoucke -- Department of Business Informatics and Operations Management</i> Indicative price: € 75	4		1	A:2	120
6	F000855	Organization Theory <i>Gosia Kozusznik -- Department of Marketing, Innovation and Organisation</i> Indicative price: € 46	4		1	A:2	120
7	F001010	Financial Markets and Institutions [nl] <i>Rudi Vander Vennet -- Department of Economics</i> Indicative price: € 0	5		1	A:2	150
8	F000752	Environmental Economics and Policy [nl] <i>Brent Bleyls -- Department of Economics</i> Indicative price: € 55	4		1	B:2	120
9	F000859	Corporate Social Responsibility [nl] <i>Saskia Crucke -- Department of Marketing, Innovation and Organisation</i> Indicative price: € 0	3		1	A:2	90
10	F000892	Innovation Management <i>Katrien Verleye -- Department of Marketing, Innovation and Organisation</i>	3		1	A:2	90

Indicative price: € 55

11	E039060	Sustainable Energy and Rational Use of Energy <i>Filip Strubbe -- Department of Electronics and Information Systems</i>	4	1	A:2	120
12	F000758	Economics [nl] <i>Bruno Merlevede -- Department of Economics</i>	5	2	A:1	150
13	E076431	Introduction to Entrepreneurship <i>Petra Andries -- Department of Marketing, Innovation and Organisation</i>	3	2	A:1	90
14	F000768	Marketing Management [nl] <i>Maggie Geuens -- Department of Marketing, Innovation and Organisation</i>	6	2	A:1	180
15	F001009	Business Cycles and Growth [nl] <i>Freddy Heylen -- Department of Economics</i>	5	2	A:1	150
16	F001008	Markets and Prices [nl] <i>Dirk Van de gaer -- Department of Economics</i>	5	2	A:1	150
17	E065460	Rational Use of Materials <i>Tom Depover -- Department of Materials, Textiles and Chemical Engineering</i>	5	2	A:1	150
18	C002275	Environmental Law [nl] <i>Hendrik Schoukens -- Department of European, Public and International Law</i>	5	2	A:1	125
19	I001571	Environmental Legislation <i>Hendrik Schoukens -- Department of European, Public and International Law</i>	3	2	A:1	75

2.3 Scientific broadening

Subscribe to no more than 12 credit units from the following list.

Nr	Course		CRDT	Ref	MT1	Session	Study
1	C004169	Advanced Topics in Chemistry <i>Klaartje De Buysser -- Department of Chemistry</i>	3		2	A:1	90
		<u>Indicative price: unknown</u>					
2	C004192	Green Chemistry <u>Indicative price: € 0</u>	3		2		75
3	C004193	History of Chemistry [nl] <i>Mieke Adriaens -- Department of Chemistry</i>	3		2	A:2 ^a	75
		<u>Indicative price: € 0</u>					
4	C004009	History and Philosophy of Sciences [nl] <i>Maarten Van Dyck -- Department of Philosophy and Moral Sciences</i>	3		2	B:2	90
		<u>Indicative price: € 0</u>					
5	C004194	Chemical Laboratory Skills [nl] <i>Katrien Strubbe -- Department of Chemistry</i>	4		2	A:J	115
		<u>Indicative price: unknown</u>					
6	C004089	International Course <u>Indicative price: unknown</u>	3		2	A:J	90

2.4 Elective Courses UGent and other Universities

Subscribe to no more than 12 credit units from the study programmes of UGent including the [Ghent University elective courses](#) or from other universities of the Flemish Community, or (online) courses from [Erasmus+ partner universities](#).

Programme related study costs

Type: Laptop

Name: laptop

Indicative price: € 750

Optional: No

Fulltime standard learning track year: 1

Available through Student Association : No

Usability and Lifetime within the Course Unit : intensive

