

Faculty of Sciences

Bachelor of Science in Geology

Language of instruction: Dutch

Programme version 9

1 General Courses 165 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C001522 Chemistry I: Structure of Matter Klaartje De Buysser -- Department of Chemistry	5		1	A:1	142
2	C000246 Physics 1 Matthieu Boone -- Department of Physics and Astronomy	5		1	A:1	138
3	C000514 Mathematics I Koen Thas -- Department of Mathematics: Algebra and Geometry	5		1	A:1	150
4	C000705 Biosphere: Zoology Wim Bert -- Department of Biology	5		1	A:1	150
5	C000138 Introduction to Mineralogy Stijn Dewaele -- Department of Geology	5		1	A:1	150
6	C000087 System Earth: Geology David Van Rooij -- Department of Geology	5		1	A:1	136
7	C000424 Chemistry II: Changes in Matter Isabel Van Driessche -- Department of Chemistry	5		1	A:2	142
8	C000247 Physics 2 Natalie Jachowicz -- Department of Physics and Astronomy	5		1	A:2	125
9	C001837 Mathematics II Koen Thas -- Department of Mathematics: Algebra and Geometry	5		1	A:2	150
10	C002459 Biosphere: Botany Annemieke Verbeken -- Department of Biology	5		1	A:2	150
11	C000536 Introduction to Petrology Johan De Grave -- Department of Geology	5		1	A:2	150
12	C000884 Earth System: Introduction to Geography Amaury Frankl -- Department of Geography	5		1	A:2	136
13	C000608 Structural Chemistry Richard Hoogenboom -- Department of Organic Chemistry	3		2	A:1	90
14	C002124 Mathematics 3 and Geostatistics [en, nl] Lieven Clement -- Department of Applied Mathematics and Computer Science	5		2	A:1	150
15	C003342 Sedimentology Maarten Van Daele -- Department of Geology	5		2	A:1	150
16	C003341 Stratigraphy Thijs Vandenbroucke -- Department of Geology	5		2	A:1	150
17	C001505 Optical Mineralogy & Petrography Veerle Cnudde -- Department of Geology	5		2	A:1	150
18	C003957 Paleontology of Plants Stephen Louwye -- Department of Geology	5		2	A:1	150
19	C002138 Analytical Chemistry Mieke Adriaens -- Department of Chemistry	7		2	A:2	200
20	C000248 Physics 3 Stefaan Cottenier -- Department of Electromechanical, Systems and Metal Engineering	5		2	A:2	150
21	C001668 Introduction to Geographical Information Systems and Surveying Engineering	5		2	A:2	150

	Alain De Wulf -- Department of Geography					
22	C000887	Geology of Belgium	5	2	A:2	150
	Marc De Batist -- Department of Geology					
23	C000120	Structural Geology with Exercises on Geological Maps	5	2	A:2	150
	Marc De Batist -- Department of Geology					
24	C003388	Geological Mapping A	5	2	A:2	150
	Marc De Batist -- Department of Geology					
25	C003962	Palaeontology of Animals	5	3	A:1	150
	Thijs Vandenbroucke -- Department of Geology					
26	C003080	Programming	5	UKV 3	A:1	150
	Peter Dawyndt -- Department of Applied Mathematics and Computer Science					
27	C001705	Hydrogeology [en]	4	3	A:1	105
	Thomas Hermans -- Department of Geology					
28	C003961	Petrology of Crystalline Rocks	5	3	A:1	150
	Stijn Dewaele -- Department of Geology					
29	C002463	Geophysics	5	3	A:1	150
	Marc De Batist -- Department of Geology					
30	C004252	Geology and Sustainability [en]	4	3	A:2	120
	Stijn Dewaele -- Department of Geology					
31	C001159	Remote Sensing	4	3	A:2	120
	Tim Van de Voorde -- Department of Geography					
32	C003960	Quaternary Geology	4	3	A:2	120
	Maarten Van Daele -- Department of Geology					
33	C003959	Isotope Geology	5	3	A:2	150
	Johan De Grave -- Department of Geology					
34	C000724	Marine Geology	4	3	A:2	105
	David Van Rooij -- Department of Geology					

2 Elective Courses

15 credits

Subscribe to 1 module from the following list. Subject to approval by the faculty.

Students who have followed the Educational Track, can enter directly into the educational master's programme.

2.1 Geology Track

15 credits

Subscribe to 6 credit units from 1 module from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003389 Geological Mapping B Stijn Dewaele -- Department of Geology	5		3	A:2	150
2	C003958 Sedimentary Geochemistry Maarten Van Daele -- Department of Geology	4		3	A:1	120

2.1.1 Work Experience

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004253 Bachelor Project Tom Bultreys -- Department of Geology	6		3	A:2	150

2.1.2 Elective Courses UGent and other Universities

Subscribe to 6 credit units from the study programmes of UGent including the [Ghent University elective courses](#), or from the study programmes offered by the institutions of higher education of the Flemish Community, or (online) courses offered by [Erasmus+ partner universities](#); distributed over the first standard learning path as follows: 6 credit units in year 3.

2.2 Educational Track

15 credits

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

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