

Faculty of Sciences

Bachelor of Science in Geology

Language of instruction: Dutch

Programme version 10

1 General Courses 165 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C001522 Chemistry I: Structure of Matter <i>Klaartje De Buysser -- Department of Chemistry</i>	5		1	A:1	142
2	C004565 Physics I <i>Matthieu Boone -- Department of Physics and Astronomy</i>	5		1	A:1	138
3	C000514 Mathematics I <i>Koen Thas -- Department of Mathematics: Algebra and Geometry</i>	5		1	A:1	150
4	C004566 Biosphere: Zoology <i>Wim Bert -- Department of Biology</i>	5		1	A:1	150
5	C004567 Materials of the Earth: Minerals <i>Stijn Dewaele -- Department of Geology</i>	5		1	A:1	150
6	C004568 Geology: System Earth <i>David Van Rooij -- Department of Geology</i>	5		1	A:1	136
7	C000424 Chemistry II: Changes in Matter <i>Isabel Van Driessche -- Department of Chemistry</i>	5		1	A:2	142
8	C004569 Physics II <i>Natalie Jachowicz -- Department of Physics and Astronomy</i>	5		1	A:2	125
9	C001837 Mathematics II <i>Koen Thas -- Department of Mathematics, Computer Science and Statistics</i>	5		1	A:2	150
10	C004570 Biosphere: Botany <i>Annemieke Verbeken -- Department of Biology</i>	5		1	A:2	150
11	C004571 Materials of the Earth: Petrology <i>Johan De Grave -- Department of Geology</i>	5		1	A:2	150
12	C003868 Physical Geography: Shaping the Earth Surface <i>Amaury Frankl -- Department of Geography</i>	5		1	A:2	150
13	C003080 Programming <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>	5	UKV	2	A:1	150
14	C004573 System Earth: Sedimentology <i>Maarten Van Daele -- Department of Geology</i>	5		2	A:1	150
15	C004574 Futureproof Earth: Sustainability & Integrity [en] <i>Stijn Dewaele -- Department of Geology</i>	4		2	A:1	120
16	C004575 Evolution of Climate & Life: Stratigraphy <i>Thijs Vandenbroucke -- Department of Geology</i>	5		2	Z:1	150
17	C004576 Evolution of Climate & Life: Paleontology <i>Stephen Louwye -- Department of Geology</i>	5		2	A:1	150
18	C004577 Methods: Microscopy <i>Veerle Cnudde -- Department of Geology</i>	5		2	A:1	150
19	C004578 Analytical Chemistry <i>Mieke Adriaens -- Department of Chemistry</i>	5		2	A:2	150
20	C004579 Physics III <i>Stefaan Cottenier -- Department of Electromechanical, Systems and Metal Engineering</i>	5		2	A:2	150

21	C004583	Futureproof Earth: Groundwater [en] <i>Thomas Hermans -- Department of Geology</i>	5	2	A:2	150
22	C004584	System Earth: Geology of Belgium <i>Marc De Batist -- Department of Geology</i>	5	2	A:2	150
23	C004585	System Earth: Structural Geology <i>Marc De Batist -- Department of Geology</i>	6	2	A:2	180
24	C004586	Methods: Integrated Fieldwork <i>Marc De Batist -- Department of Geology</i>	5	2	A:2	150
25	C004587	Methods: Data Analysis <i>Lieven Clement -- Department of Mathematics, Computer Science and Statistics</i>	4	3	(A:1) ^c	120
26	C004588	System Earth: Geophysics <i>Marc De Batist -- Department of Geology</i>	5	3	(A:1) ^c	150
27	C004589	System Earth: Advanced Petrology <i>Stijn Dewaele -- Department of Geology</i>	5	3	(A:1) ^c	150
28	C004590	Evolution of Climate & Life: Advanced Paleontology [en] <i>Thijs Vandenbroucke -- Department of Geology</i>	5	3	(A:1) ^c	150
29	C004591	Futureproof Earth: Geochemistry of Groundwater and Sediments [en] <i>Maarten Van Daele -- Department of Geology</i>	6	3	(A:1) ^c	180
30	C004592	Methods: Topography and Geographical Information Systems <i>Alain De Wulf -- Department of Geography</i>	5	3	A:2	150
31	C004593	Evolution of Climate & Life: Oceans [en] <i>David Van Rooij -- Department of Geology</i>	4	3	(A:2) ^c	105
32	C004594	System Earth: Isotope Geochemistry <i>Johan De Grave -- Department of Geology</i>	6	3	(A:2) ^c	180
33	C004595	Environmental Changes in the Quaternary <i>Amaury Frankl -- Department of Geography</i>	5	3	A:2	150

2 Elective Courses

15 credits

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

2.1 Geology Track

15 credits

Subscribe to 8 credit units from 1 module (2.1.1 or 2.1.2) from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004596 Methods: Independent Fieldwork <i>N. N.</i>	4		3	(A:2) ^c	120
2	C004597 Futureproof Earth: Research Seminars & Transferable Skills [en] <i>N. N.</i>	3		3	(A:J) ^c	90

2.1.1 Work Experience

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004598 Bachelor Project <i>Tom Bultreys -- Department of Geology</i>	8		3	(A:J) ^c	240

2.1.2 Elective Courses UGent and other Universities

Subscribe to 8 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: 8 credit units in year 3.

2.2 Educational Track

15 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	H002476 Powerful Learning Environments <i>Bram De Wever -- Department of Educational Studies</i>	6		3	A:1	180
2	H002574 Teaching Methodology: Geography <i>Nico Van de Weghe -- Department of Geography</i>	9		3	J:J	270

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 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