

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 <i>Klaartje De Buysser -- Department of Chemistry</i>	5		1	A:1	142
2	C000246 Physics 1 <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	C000705 Biosphere: Zoology <i>Wim Bert -- Department of Biology</i>	5		1	A:1	150
5	C000138 Introduction to Mineralogy <i>Stijn Dewaele -- Department of Geology</i>	5		1	A:1	150
6	C000087 System Earth: Geology <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	C000247 Physics 2 <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	C002459 Biosphere: Botany <i>Annemieke Verbeke -- Department of Biology</i>	5		1	A:2	150
11	C000536 Introduction to Petrology <i>Johan De Grave -- Department of Geology</i>	5		1	A:2	150
12	C000884 Earth System: Introduction to Geography <i>Amaury Frankl -- Department of Geography</i>	5		1	A:2	136
13	C000608 Structural Chemistry	3		2	A:1	90
14	C002124 Mathematics 3 and Geostatistics [en, nl] <i>Lieven Clement -- Department of Mathematics, Computer Science and Statistics</i>	5		2	A:1	150
15	C003342 Sedimentology <i>Maarten Van Daele -- Department of Geology</i>	5		2	A:1	150
16	C003341 Stratigraphy <i>Thijs Vandenbroucke -- Department of Geology</i>	5		2	A:1	150
17	C001505 Optical Mineralogy & Petrography <i>Veerle Cnudde -- Department of Geology</i>	5		2	A:1	150
18	C003957 Paleontology of Plants <i>Stephen Louwye -- Department of Geology</i>	5		2	A:1	150
19	C002138 Analytical Chemistry <i>Mieke Adriaens -- Department of Chemistry</i>	7		2	A:2	200
20	C000248 Physics 3 <i>Stefaan Cottenier -- Department of Electromechanical, Systems and Metal Engineering</i>	5		2	A:2	150
21	C001668 Introduction to Geographical Information Systems and Surveying Engineering <i>Alain De Wulf -- Department of Geography</i>	5		2	A:2	150

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

## 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 <i>Stijn Dewaele -- Department of Geology</i>	5		3	A:2	150
2	C003958 Sedimentary Geochemistry <i>Maarten Van Daele -- Department of Geology</i>	4		3	A:1	120

#### 2.1.1 Work Experience

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C004253 Bachelor Project <i>Tom Bultreys -- Department of Geology</i>	6		3	A:J	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 <i>Bram De Wever -- Department of Educational Studies</i>	6		3	A:1	180
2	H002175 Teaching Methodology: Sciences <i>Katrien Strubbe -- Department of Chemistry</i>	6		3	A:J	180
3	H002170 Reference Internship: Sciences <i>Katrien Strubbe -- Department of Chemistry</i>	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 2027-2028	f: annually, from 2028-2029	i: annually, from 2029-2030
b: tri-annually	d: bi-annually, from 2027-2028	g: bi-annually, from 2028-2029	j: bi-annually, from 2029-2030
	e: tri-annually, from 2027-2028	h: tri-annually, from 2028-2029	k: tri-annually, from 2029-2030