

Faculty of Sciences

Bachelor of Science in Geography and Geomatics

Language of instruction: Dutch

Programme version 4

## 1 General Courses

165 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C000514 Mathematics I Koen Thas -- Department of Mathematics: Algebra and Geometry	5		1	A:1	130
2	C000057 Physics I Bartel Van Waeyenberge -- Department of Solid State Sciences	5		1	A:1	140
3	C003609 Introduction to Geology Stephen Louwye -- Department of Geology	5		1	A:1	150
4	C003530 Geodesy [en, nl] Haosheng Huang -- Department of Geography	5		1	A:2	150
5	F000758 Economics Bruno Merlevede -- Department of Economics	5		1	A:1	150
6	C001392 Chemistry Katrien Strubbe -- Department of Chemistry	5		1	A:2	140
7	C001837 Mathematics II Koen Thas -- Department of Mathematics: Algebra and Geometry	5		1	A:2	130
8	C000673 Physics II Bartel Van Waeyenberge -- Department of Solid State Sciences	5		1	A:2	150
9	C003868 Physical Geography: Shaping the Earth Surface Amaury Frankl -- Department of Geography	5		1	A:2	150
10	C003531 Geographic Information Systems (GIS) Nico Van de Weghe -- Department of Geography	5		1	A:1	150
11	C003857 Surveying Engineering Alain De Wulf -- Department of Geography	5		1	A:2	150
12	C003858 Social and Economic Geography Sarah Meire -- Department of Geography	5		1	A:1	140
13	C003080 Programming Peter Dawyndt -- Department of Applied Mathematics and Computer Science	5	UKV	2	A:1	150
14	C003790 Spatial Analysis I Amaury Frankl -- Department of Geography	5		2	A:1	150
15	C003860 Climatology and Meteorology David Dehenauw -- Department of Geography	5		2	A:1	150
16	C003058 Transport Geography Frank Witlox -- Department of Geography	5		2	A:1	150
17	C003059 Introduction to Mineralogy Stijn Dewaele -- Department of Geology	3		2	A:1	90
18	C001059 Cartography [en, nl] Haosheng Huang -- Department of Geography	5		2	A:1	150
19	C003859 Introduction to Soil Science Rudi Goossens -- Department of Geography	5		2	A:2	150
20	C003622 Remote Sensing Tim Van de Voorde -- Department of Geography	5		2	A:2	150
21	C001421 Biosphere: Botany Annemieke Verbeken -- Department of Biology	5		2	A:2	150

22	H001647	Sociology Timo Van Canegem -- Department of Sociology	4	2	B:2	120
23	C003060	Introduction to Petrology Johan De Grave -- Department of Geology	3	2	A:2	90
24	C003862	Landscape Science I Veerle Van Eetvelde -- Department of Geography	5	2	A:2	150
25	C003863	Topometry Alain De Wulf -- Department of Geography	4	2	A:2	120
26	C003864	Spatial Analysis II Frank Witlox -- Department of Geography	5	3	A:1	150
27	C003771	Databases Guy De Tré -- Department of Telecommunications and Information Processing	6	3	A:1	180
28	C003624	Population and Urban Geography Maite Dewinter -- Department of Geography	5	3	A:1	150
29	C003869	Regional Geomorphology Amaury Frankl -- Department of Geography	5	3	A:2	150
30	C001294	Introduction to Ecology Koen Sabbe -- Department of Biology	4	3	A:2	120
31	C003865	Landscape Science II Veerle Van Eetvelde -- Department of Geography	6	3	A:2	180
32	C004461	Sustainability Topics in Geography and Geomatics Veerle Van Eetvelde -- Department of Linguistics	5	3	A:1	150
33	C003154	Bachelor Dissertation Nico Van de Weghe -- Department of Geography	10	3	A:J	300

## 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 Geography and Geomatics Track

15 credits

Subscribe to 10 credit units from 1 module from the following list.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003867 Geo-Programming [en, nl] Haosheng Huang -- Department of Geography	5		3	A:2	150

#### 2.1.1 Elective Courses UGent and other universities

10 credits

Subscribe to 10 credit units from the study programmes of UGent including the [Ghent University elective courses](#), other universities of the Flemish Community or (online) courses from the [Erasmus+ partner universities](#). Distributed over the first standard learning path as follows: 10 credit units in jaar 3. Subject to approval by the faculty.

### 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