

Faculty of Sciences

Bachelor of Science in Geography and Geomatics

Language of instruction: Dutch

Programme version 5

1 General Courses 165 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C000514 Mathematics I <i>Koen Thas -- Department of Mathematics, Computer Science and Statistics</i>	5		1	A:1	130
2	C000057 Physics I <i>Bartel Van Waeyenberge -- Department of Solid State Sciences</i>	5		1	A:1	140
3	C004568 Geology: System Earth <i>David Van Rooij -- Department of Geology</i>	5		1	A:1	136
4	C003530 Geodesy [en] <i>Haosheng Huang -- Department of Geography</i>	5		1	A:2	150
5	F001019 Economics <i>Bruno Merlevede -- Department of Economics</i>	5		1	B:1	150
6	C001392 Chemistry <i>Katrien Strubbe -- Department of Chemistry</i>	5		1	A:2	140
7	C001837 Mathematics II <i>Koen Thas -- Department of Mathematics, Computer Science and Statistics</i>	5		1	A:2	130
8	C000673 Physics II <i>Bartel Van Waeyenberge -- Department of Solid State Sciences</i>	5		1	A:2	150
9	C003868 Physical Geography: Shaping the Earth Surface <i>Amaury Frankl -- Department of Geography</i>	5		1	A:2	150
10	C003531 Geographic Information Systems (GIS) <i>Nico Van de Weghe -- Department of Geography</i>	5		1	A:1	150
11	C003857 Surveying Engineering <i>Alain De Wulf -- Department of Geography</i>	5		1	A:2	150
12	C003858 Social and Economic Geography <i>Caroline Beckers -- Department of Geography</i>	5		1	A:1	140
13	C003080 Programming <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>	5	UKV	2	A:1	150
14	C003790 Spatial Analysis I <i>Amaury Frankl -- Department of Geography</i>	5		2	A:1	150
15	C003860 Climatology and Meteorology <i>David Dehenauw -- Department of Geography</i>	5		2	A:1	150
16	C003058 Transport Geography <i>Frank Witlox -- Department of Geography</i>	5		2	A:1	150
17	C004567 Materials of the Earth: Minerals <i>Stijn Dewaele -- Department of Geology</i>	3		2	B:1	90
18	C001059 Cartography [en] <i>Haosheng Huang -- Department of Geography</i>	5		2	A:1	150
19	C003859 Introduction to Soil Science <i>Stefaan Dondeyne -- Department of Geography</i>	5		2	A:2	150
20	C003622 Remote Sensing <i>Tim Van de Voorde -- Department of Geography</i>	5		2	A:2	150
21	C004570 Biosphere: Botany <i>Annemieke Verbeken -- Department of Biology</i>	5		2	A:2	150

22	H002480	Sociology <i>Katrijn Delaruelle -- Department of Sociology</i>	4	2	A:2	120
23	C004571	Materials of the Earth: Petrology <i>Johan De Grave -- Department of Geology</i>	3	2	B:2	90
24	C003862	Landscape Science I <i>Veerle Van Eetvelde -- Department of Geography</i>	5	2	A:2	150
25	C003863	Topometry <i>Alain De Wulf -- Department of Geography</i>	4	2	A:2	120
26	C003864	Spatial Analysis II <i>Frank Witlox -- Department of Geography</i>	5	3	A:1	150
27	C003771	Databases <i>Guy De Tré -- Department of Telecommunications and Information Processing</i>	6	3	A:1	180
28	C003624	Population and Urban Geography <i>Caroline Beckers -- Department of Geography</i>	5	3	A:1	150
29	C004595	Environmental Changes in the Quaternary <i>Amaury Frankl -- Department of Geography</i>	5	3	A:2	150
30	C001294	Introduction to Ecology <i>Koen Sabbe -- Department of Biology</i>	4	3	A:2	120
31	C003865	Landscape Science II <i>Veerle Van Eetvelde -- Department of Geography</i>	6	3	A:2	180
32	C004461	Sustainability Topics in Geography and Geomatics <i>Veerle Van Eetvelde -- Department of Geography</i>	5	3	A:1	150
33	C003154	Bachelor Dissertation <i>Nico Van de Weghe -- Department of Geography</i>	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] <i>Haosheng Huang -- Department of Geography</i>	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	H002476 Powerful Learning Environments <i>Bram De Wever -- Department of Educational Sciences</i>	6		3	A:1	180
2	H002608 Teaching Methodology: STEM Focus STEM <i>Katrien Strubbe -- Department of Chemistry</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 2028-2029	f: annually, from 2029-2030	i: annually, from 2030-2031
b: tri-annually	d: bi-annually, from 2028-2029	g: bi-annually, from 2029-2030	j: bi-annually, from 2030-2031
	e: tri-annually, from 2028-2029	h: tri-annually, from 2029-2030	k: tri-annually, from 2030-2031