

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: Algebra and Geometry</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, nl] <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>N. N.</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, nl] <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 |

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|----|---------|---|----|---|-----|-----|
| 22 | H002480 | Sociology <i>Timo Van Canegem -- 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>Maïte Dewinter -- 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, nl] <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 Studies</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 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 |