

Faculty of Sciences

Exchange programme Faculty of Sciences (bachelor's level)

Language of instruction: English

Programme version 6

## 1 General Courses

All bachelor programmes in the faculty of Sciences are offered in Dutch.

This exchange programme contains a limited list of courses on Bachelor's level in English.

Tips Learning Agreement:

- Please check the [departmental rules](#) for incoming students.
- Minimum number of credits (ECTS):
  - 20 ECTS per semester (exception: 24 ECTS for the programmes Biology and Biochemistry/Biotechnology per semester)
  - 40 ECTS per academic year
- Language courses at University Language Centre excluded
- There is the option to select [Ghent University Elective Courses](#)
- Short or long term (up to 1 year) research projects can be chosen. Students should have a written consent from a promoter at the faculty of Sciences (UGent) prior to sending their learning agreement (+ the number of ECTS).

| Nr | Course                                                                                                                           | CRDT | Ref | MT1 | Session | Study |
|----|----------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------|-------|
| 1  | C003080 <b>Programming</b><br><i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>                 | 5    | UKV |     | C:1     | 150   |
| 2  | C003222 <b>Evolution</b><br><i>Olivier De Clerck -- Department of Biology</i>                                                    | 5    |     |     | A:1     | 130   |
| 3  | C004410 <b>Phycology and Protistology</b><br><i>Koen Sabbe -- Department of Biology</i>                                          | 4    |     |     | A:1     | 119   |
| 4  | C004096 <b>Molecular Cell Biology</b><br><i>Roosmarijn Vandenbroucke -- Department of Molecular Biology</i>                      | 5    |     |     | A:1     | 130   |
| 5  | C004574 <b>Futureproof Earth: Sustainability &amp; Integrity</b><br><i>Stijn Dewaele -- Department of Geology</i>                | 4    |     |     |         | 120   |
| 6  | C004591 <b>Futureproof Earth: Geochemistry of Groundwater and Sediments</b><br><i>Maarten Van Daele -- Department of Geology</i> | 6    |     |     | A:1     | 180   |
| 7  | C004590 <b>Evolution of Climate &amp; Life: Advanced Paleontology</b><br><i>Thijs Vandenbroucke -- Department of Geology</i>     | 5    |     |     | A:1     | 150   |
| 8  | C004649 <b>Scientific Computing for Physicists</b><br><i>Jonathan Leliaert -- Department of Solid State Sciences</i>             | 5    |     |     | A:1     | 150   |
| 9  | C004650 <b>Dynamical Systems in Nature</b><br><i>Nele Vandersickel -- Department of Physics and Astronomy</i>                    | 6    |     |     | A:1     | 180   |
| 10 | C003778 <b>Statistics and Probability</b><br><i>Oliver Dukes -- Department of Mathematics, Computer Science and Statistics</i>   | 6    |     |     | A:1     | 180   |
| 11 | C001059 <b>Cartography</b><br><i>Haosheng Huang -- Department of Geography</i>                                                   | 5    |     |     | A:1     | 150   |
| 12 | C002668 <b>Scientific Communication in English</b><br><i>Geert Jacobs -- Department of Linguistics</i>                           | 5    |     |     | A:2     | 150   |
| 13 | C003224 <b>Aquatic Ecology</b><br><i>Wim Vyverman -- Department of Biology</i>                                                   | 3    |     |     | A:2     | 90    |
| 14 | C004583 <b>Futureproof Earth: Groundwater</b><br><i>Thomas Hermans -- Department of Geology</i>                                  | 5    |     |     | A:2     | 150   |
| 15 | C004593 <b>Evolution of Climate &amp; Life: Oceans</b><br><i>David Van Rooij -- Department of Geology</i>                        | 4    |     |     | A:2     | 105   |
| 16 | C001479 <b>Introduction to Bioinformatics</b><br><i>Kathleen Marchal -- Department of Plant Biotechnology and Bioinformatics</i> | 6    |     |     | A:2     | 165   |

|    |         |                                                                                                  |   |               |     |
|----|---------|--------------------------------------------------------------------------------------------------|---|---------------|-----|
| 17 | C004092 | Bioinformatics I<br><i>Kathleen Marchal -- Department of Information Technology</i>              | 4 | A:2           | 120 |
| 18 | C004223 | Nuclear Physics<br><i>Natalie Jachowicz -- Department of Physics and Astronomy</i>               | 4 | A:2           | 120 |
| 19 | C004224 | Elementary Particle Physics<br><i>Didar Dobur -- Department of Physics and Astronomy</i>         | 4 | A:2           | 120 |
| 20 | C004216 | Relativity and Electromagnetism<br><i>Archisman Ghosh -- Department of Physics and Astronomy</i> | 6 | A:2           | 180 |
| 21 | C003974 | Inorganic Chemistry<br><i>Catherine Cazin -- Department of Chemistry</i>                         | 3 | A:2           | 90  |
| 22 | C003530 | Geodesy<br><i>Haosheng Huang -- Department of Geography</i>                                      | 5 | A:2           | 150 |
| 23 | C003867 | Geo-Programming<br><i>Haosheng Huang -- Department of Geography</i>                              | 5 | A:2           | 150 |
| 24 | C003242 | Research Project                                                                                 | 0 | A:1, C:J, B:2 | 0   |

#### 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 |