

Faculty of Sciences

Bachelor of Science in Biology

Language of instruction: Dutch

Programme version 9

## 1 General Courses

151 credits

Subscribe to course units from the following list. Subject to approval by the faculty.

In period 3 of the first standard learning path you can subscribe to no less than 30 and no more than 60 credits units from the study programmes of another European institute for higher education. Distributed over the first standard learning path as follows: 30 credit units in period 3 (first semester) or 60 credit units in period 3 (first and second semester). Subject to approval by the faculty.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003176 Biodiversity of Plants <i>Lars Chatrou -- Department of Biology</i>	5		1	A:1	150
2	C000602 Biodiversity of Invertebrates <i>Tom Moens -- Department of Biology</i>	5		1	B:1	148
3	C002457 Ecology <i>Luc Lens -- Department of Biology</i>	5		1	A:2	136
4	C003177 Cell Biology and Genetics <i>Geert De Jaeger -- Department of Plant Biotechnology and Bioinformatics</i>	5		1	A:1	125
5	C002601 Physics I <i>Bartel Van Waeyenberge -- Department of Solid State Sciences</i>	5		1	A:1	150
6	C000677 Physics II <i>Bartel Van Waeyenberge -- Department of Solid State Sciences</i>	5		1	A:2	150
7	C001522 Chemistry I: Structure of Matter <i>Klaartje De Buysser -- Department of Chemistry</i>	5		1	A:1	142
8	C000424 Chemistry II: Changes in Matter <i>Isabel Van Driessche -- Department of Chemistry</i>	5		1	A:2	142
9	C000514 Mathematics I <i>Koen Thas -- Department of Mathematics: Algebra and Geometry</i>	5		1	A:1	150
10	C001837 Mathematics II <i>Koen Thas -- Department of Mathematics: Algebra and Geometry</i>	5		1	A:2	130
11	C001165 Organic Chemistry <i>Johan Winne -- Department of Organic Chemistry</i>	5		1	A:2	148
12	C002346 Geology: System Earth <i>Stephen Louwye -- Department of Geology</i>	5		1	A:2	128
13	C000756 Vertebrates: Histology and Comparative Anatomy <i>Dominique Adriaens -- Department of Biology</i>	5		2	B:2	140
14	C003936 Biodiversity of Vertebrates <i>Dominique Adriaens -- Department of Biology</i>	4		2	A:1	120
15	C000322 Mycology <i>Annemieke Verbeken -- Department of Biology</i>	5		2	A:1	144
16	C003179 Molecular Genetics I <i>Sofie Goormachtig -- Department of Plant Biotechnology and Bioinformatics</i>	5		2	A:1	140
17	C001365 Biochemistry I: Biomolecules <i>Bart Devreese -- Department of Biochemistry, Physiology and Microbiology</i>	4		2	A:1	100
18	C000577 Biochemistry II: Metabolic Diversity <i>Leander Meuris -- Department of Biochemistry, Physiology and Microbiology</i>	4		2	A:2	120
19	C000337 Statistics <i>Lieven Clement -- Department of Mathematics, Computer Science and Statistics</i>	4		2	A:1	120

20	C003937	Plantphysiology <i>Bartel Vanholme -- Department of Plant Biotechnology and Bioinformatics</i>	4	2	A:1	100
21	C002166	General Microbiology <i>Anne Willems -- Department of Biochemistry, Physiology and Microbiology</i>	5	2	A:2	130
22	C003220	Cell Biology <i>Esther Hoste -- Department of Molecular Biology</i>	4	2	A:2	120
23	C002241	Population Ecology <i>Luc Lens -- Department of Biology</i>	4	2	A:1	110
24	C001796	Biogeography <i>Wim Vyverman -- Department of Biology</i>	5	2	A:2	140
25	C003021	Biological Excursions <i>Jan Van Uytvanck -- Department of Biology</i>	4	2	A:J	120
26	C003181	Arthropoda <i>Marleen De Troch -- Department of Biology</i>	3	2	A:2	90
27	C003221	Community and Ecosystem Ecology <i>Wim Vyverman -- Department of Biology</i>	4	3	A:1	100
28	C003222	Evolution [en] <i>Olivier De Clerck -- Department of Biology</i>	5	3	A:1	130
29	C003184	Animal Physiology <i>Bart Braeckman -- Department of Biology</i>	5	3	A:1	150
30	C000134	Biostatistics <i>Lieven Clement -- Department of Mathematics, Computer Science and Statistics</i>	4	3	A:1	120
31	C000534	Field Training Biological Research [en, nl] <i>Bram Vanthournout -- Department of Biology</i>	4	3	A:2	120
32	C003185	Nature Conservation and Biodiversity Law <i>Maurice Hoffmann -- Department of Biology</i>	5	3	A:2	150
33	C003186	Phylogeny of Seed Plants <i>Lars Chatrou -- Department of Biology</i>	4	3	A:2	120

## 2 Elective Courses

29 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 Biology Track

29 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003182 Molecular Genetics II <i>Geert De Jaeger -- Department of Plant Biotechnology and Bioinformatics</i>	4		3	A:1	115
2	C003183 Developmental Biology <i>Tom Beeckman -- Department of Plant Biotechnology and Bioinformatics</i>	5		3	A:1	125
3	C002782 Phycology and Protistology [en] <i>Koen Sabbe -- Department of Biology</i>	5		3	A:1	136
4	C003223 Terrestrial Ecology <i>Sander Jacobs -- Department of Biology</i>	3		3	A:2	90
5	C003224 Aquatic Ecology [en] <i>Wim Vyverman -- Department of Biology</i>	3		3	A:2	90
6	C003187 Scientific Methods and Bachelor Dissertation <i>Liliana D'Alba Altamirano -- Department of Biology</i>	9		3	A:2	240

### 2.2 Educational Track

29 credits

Subscribe to 14 credit units from 1 module from the following list.

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

#### 2.2.1 Elective Courses Biology

14 credits

Subscribe to 14 credit units from the following list, with

- 5 credit units from the courses with reference a,
- 3 credit units from the courses with reference b.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003183 <b>Developmental Biology</b> <i>Tom Beeckman -- Department of Plant Biotechnology and Bioinformatics</i>	5	a	3	A:1	125
2	C002782 <b>Phycology and Protistology [en]</b> <i>Koen Sabbe -- Department of Biology</i>	5	a	3	A:1	136
3	C003223 <b>Terrestrial Ecology</b> <i>Sander Jacobs -- Department of Biology</i>	3	b	3	A:2	90
4	C003224 <b>Aquatic Ecology [en]</b> <i>Wim Vyverman -- Department of Biology</i>	3	b	3	A:2	90
5	C003187 <b>Scientific Methods and Bachelor Dissertation</b> <i>Liliana D'Alba Altamirano -- Department of Biology</i>	6		3	B:2	180

#### 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 2023-2024	f: annually, from 2024-2025	i: annually, from 2025-2026
b: tri-annually	d: bi-annually, from 2023-2024	g: bi-annually, from 2024-2025	j: bi-annually, from 2025-2026
	e: tri-annually, from 2023-2024	h: tri-annually, from 2024-2025	k: tri-annually, from 2025-2026