

Faculty of Sciences

Preparatory Course Master of Science in Biology

Language of instruction: Dutch

Programme version 4

1 General Courses

Subscribe to 1 module from the following list.

1.1 For intake non-life sciences

Subscribe to at most 1 module from the following list.

Students Bachelor Chemistry and Bachelor Industrial Engineering: chemistry just follow the general courses. Students Bachelor Physics and Astronomy, Bachelor Geography and Geomatics, Bachelor Geology, Bachelor Informatics and Bachelor Mathematics also have to follow module 1.1.1.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C000602 Biodiversity of Invertebrates	5		1	B:1	148
2	C000322 Mycology <i>Annemieke Verbeke -- Department of Biology</i>	5		1	A:1	144
3	C002241 Population Ecology <i>Luc Lens -- Department of Biology</i>	4		1	A:1	110
4	C003221 Community and Ecosystem Ecology <i>Wim Vyverman -- Department of Biology</i>	4		1	A:1	100
5	C003222 Evolution [en] <i>Olivier De Clerck -- Department of Biology</i>	5		1	A:1	130
6	C004410 Phycology and Protistology [en] <i>Koen Sabbe -- Department of Biology</i>	4		1	A:1	119
7	C004419 Systematics and Diversity of Flowering Plants <i>Lars Chatrou -- Department of Biology</i>	4		1	A:2	120
8	C003220 Cell Biology <i>Esther Hoste -- Department of Molecular Biology</i>	4		1	A:2	120
9	C004409 Vertebrates: Histology and Comparative Anatomy <i>Dominique Adriaens -- Department of Biology</i>	4		1	A:2	120
10	C003936 Biodiversity of Vertebrates <i>Dominique Adriaens -- Department of Biology</i>	4		2	A:1	120
11	C003179 Molecular Genetics I <i>Sofie Goormachtig -- Department of Plant Biotechnology and Bioinformatics</i>	5		2	A:1	140
12	C003937 Plantphysiology <i>Bartel Vanholme -- Department of Plant Biotechnology and Bioinformatics</i>	4		2	A:1	100
13	C003182 Molecular Genetics II <i>Geert De Jaeger -- Department of Plant Biotechnology and Bioinformatics</i>	4		2	A:1	115
14	C003184 Animal Physiology <i>Bart Braeckman -- Department of Biology</i>	5		2	A:1	150
15	C004408 Introduction to Biostatistics <i>Lieven Clement -- Department of Mathematics, Computer Science and Statistics</i>	5		2	A:1	138
16	C003183 Developmental Biology <i>Adelbert De Clercq -- Department of Biology</i>	5		2	A:1	125
17	C002166 General Microbiology <i>Anne Willems -- Department of Biochemistry, Physiology and Microbiology</i>	5		2	A:2	130
18	C004610 Human and Political Ecology: Introduction <i>Sander Jacobs -- Department of Biology</i>	3		2	A:2	90
19	C003181 Arthropoda <i>Marleen De Troch -- Department of Biology</i>	3		2	A:2	90

1.1.1 For intake of Bachelor Physics and Astronomy, Bachelor Geography and Geomatics, Bachelor Geology, Bachelor Informatics and Bachelor Mathematics

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C001365 Biochemistry I: Biomolecules <i>Bart Devreese -- Department of Biochemistry, Physiology and Microbiology</i>	4			A:1	100
2	C000577 Biochemistry II: Metabolic Diversity <i>Leander Meuris -- Department of Biochemistry, Physiology and Microbiology</i>	4			A:2	120

1.2 For intake life sciences

Subscribe to at most 1 module from the following list.

Students Bachelor Biochemistry and Biotechnology, Bachelor Bioscience Engineering and Bachelor Bioscience Engineering

Technology take the general courses only.

Students from the Bachelor Biomedical Sciences, Bachelor Veterinary Medicine, Bachelor Medicine and Bachelor Pharmaceutical Sciences follow the general courses as well as the specific module linked to their diploma.

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C000322 Mycology <i>Annemieke Verbeken -- Department of Biology</i>	5		1	A:1	144
2	C002241 Population Ecology <i>Luc Lens -- Department of Biology</i>	4		1	A:1	110
3	C003221 Community and Ecosystem Ecology <i>Wim Vyverman -- Department of Biology</i>	4		1	A:1	100
4	C003222 Evolution [en] <i>Olivier De Clerck -- Department of Biology</i>	5		1	A:1	130
5	C004410 Phycology and Protistology [en] <i>Koen Sabbe -- Department of Biology</i>	4		1	A:1	119
6	C003183 Developmental Biology <i>Adelbert De Clercq -- Department of Biology</i>	5		1	A:1	125
7	C001796 Biogeography <i>Wim Vyverman -- Department of Biology</i>	5		1	A:2	140
8	C004620 Field Training Biological Research [en, nl] <i>Dries Bonte -- Department of Biology</i>	4		1	A:2	120
9	C004419 Systematics and Diversity of Flowering Plants <i>Lars Chatrou -- Department of Biology</i>	4		1	A:2	120
10	C004610 Human and Political Ecology: Introduction <i>Sander Jacobs -- Department of Biology</i>	3		1	A:2	90
11	C003181 Arthropoda <i>Marleen De Troch -- Department of Biology</i>	3		1	A:2	90

1.2.1 For intake of Bachelor Biomedical Sciences

14 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003176 Biodiversity of Plants <i>Lars Chatrou -- Department of Biology</i>	5			A:1	150
2	C003937 Plantphysiology <i>Bartel Vanholme -- Department of Plant Biotechnology and Bioinformatics</i>	4			A:1	100
3	C003080 Programming <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>	5	UKV		A:1	150

1.2.2 For intake of Bachelor Veterinary Medicine

18 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003176 Biodiversity of Plants <i>Lars Chatrou -- Department of Biology</i>	5			A:1	150
2	C003937 Plantphysiology <i>Bartel Vanholme -- Department of Plant Biotechnology and Bioinformatics</i>	4			A:1	100
3	C003182 Molecular Genetics II <i>Geert De Jaeger -- Department of Plant Biotechnology and Bioinformatics</i>	4			A:1	115
4	C003080 Programming <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>	5	UKV		A:1	150

1.2.3 For intake of Bachelor Medicine

23 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003176 Biodiversity of Plants <i>Lars Chatrou -- Department of Biology</i>	5			A:1	150

2	C000602	Biodiversity of Invertebrates	5		B:1	148
3	C003936	Biodiversity of Vertebrates <i>Dominique Adriaens -- Department of Biology</i>	4		A:1	120
4	C003937	Plantphysiology <i>Bartel Vanholme -- Department of Plant Biotechnology and Bioinformatics</i>	4		A:1	100
5	C003080	Programming <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>	5	UKV	A:1	150

1.2.4 For intake of Bachelor Pharmaceutical Sciences

9 credits

Nr	Course	CRDT	Ref	MT1	Session	Study
1	C003937 Plantphysiology <i>Bartel Vanholme -- Department of Plant Biotechnology and Bioinformatics</i>	4			A:1	100
2	C003080 Programming <i>Peter Dawyndt -- Department of Mathematics, Computer Science and Statistics</i>	5	UKV		A:1	150

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