Appendices for the Bachelor's degree programme in Biology 2025/2026

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Appendix I Learning outcomes of the Bachelor's degree programme (Article 3.1)

Graduates are able to:

1. Explain general basic principles of biology and describe how they relate to each other;
2. Estimate the relevance of research results in one or more areas of biology published in academic journals and discuss these results with peers;
3. Describe fundamental and/or applied scientific research and recognize areas of interest within it;
4. Describe the relationship between various disciplines and integrate terms and concepts from the subject areas;
5. Recognise and analyse scientific problems, and design a scientific/academic approach to them in a systematic manner.
6. Under supervision, formulate a research hypothesis or propose a research design within their own discipline, and possess sufficient practical skills to conduct the research themselves;
7. Explain the societal relevance of the discipline, evaluate the related responsibilities and judge their individual role in that context.
8. Develop a work method independently and proactively, justify it, and carry it out in order to achieve a specific aim;
9. Contribute to and take responsibility for solving a specific problem or task in a specific role as part of a team;
10. Report about research in a structured manner, both orally and in writing;

The degree programme also offers the student:

11. To explore career opportunities and opportunities for follow-on degree programmes.

Appendix II Majors and Minors of the degree programme (Article 3.7)

The degree programme has the following Major(s):

- Behaviour and Neurosciences (BN)
- Biomedical Sciences (BMS)
- Ecology and Evolution (EE)
- Integrative Biology (IB)
- Molecular Life Sciences (MLS)

The degree programme has the following Minor(s):

- Minor Biomedical Life Sciences
- Minor Ecology & Evolution

Students can also participate in:

- Faculty minor programmes;
- University minor programmes
    - The minor programme “Neuroscience” is not accessible for students from the Bachelor’s degree programme Biology
- Minor programmes at other national universities;
- Minor programmes at international universities.

Appendix III Course units in the first year of the degree programme

- **List of course units; Article 4.1.1**
- **Compulsory order of examinations; Article 9.3**

First semester (all majors):

Course unit name	Course code	ECTS	Entry requirements
Basic Cell and Molecular Biology	WBBY001-05	5	n/a
Biostatistics 1	WBBY014-05	5	n/a
Basic Academic Skills	WBBY086-02	2	n/a
Genetics, Ecology & Evolution	WBBY005-05	5	n/a
Lab Course[1]	WBBY021-03	3	n/a
Microbiology	WBBY022-05	5	n/a
Physiology	WBBY011-05	5	n/a

Second semester:

Majors Behaviour and Neurosciences, Biomedical Sciences, Molecular Life Sciences

Course unit name	Course code	ECTS	Entry requirements
Behavioural Neurosciences	WBBY026-05	5	n/a
Cell Biology and Immunology	WBBY033-05	5	n/a
Metabolism	WBBY058-05	5	n/a
Molecules of Life	WBBY047-05	5	n/a
*Laboratory Research Skills in Life Sciences *Theoretical Research Skills in Life Sciences	WBBY087-05 WBBY088-05	5 5	Yes (see Art. 4.4.1.)

Major Ecology & Evolution

Course unit name	Course code	ECTS	Entry requirements
Behavioural Neurosciences	WBBY026-05	5	n/a
Biochemistry and Cell Biology in Ecology and Evolution	WBBY029-05	5	n/a
Ecophysiology of Plants and Animals	WBBY052-05	5	n/a
Evolutionary Ecology	WBBY038-05	5	n/a
*Research Skills in Ecology and Evolution 1 *Research Skills in Ecology and Evolution 2 *Research Skills in Ecology and Evolution 3	WBBY079-02 WBBY080-05 WBBY081-03	2 5 3	Yes (see Art. 4.4.2.)

[1] Biology students can get a certificate for Safe Microbiological Techniques (SMT)/Veilige Microbiologische Technieken (VMT) via this course.

Major Integrative Biology
Students who want to follow the major Integrative Biology have to follow **one** route in semester 2. They can choose from the following routes:

BMS/BN/MLS route

Course unit name	Course code	ECTS	Entry requirements
Behavioural Neurosciences	WBBY026-05	5	n/a
Cell Biology and Immunology	WBBY033-05	5	n/a
Metabolism	WBBY058-05	5	n/a
Molecules of Life	WBBY047-05	5	n/a
*Laboratory Research Skills in Life Sciences *Theoretical Research Skills in Life Sciences	WBBY087-05 WBBY088-05	5 5	Yes (see Art. 4.4.1.)

EE route

Course unit name	Course code	ECTS	Entry requirements
Behavioural Neurosciences	WBBY026-05	5	n/a
Biochemistry and Cell Biology in Ecology and Evolution	WBBY029-05	5	n/a
Ecophysiology of Plants and Animals	WBBY052-05	5	n/a
Evolutionary Ecology	WBBY038-05	5	n/a
*Research Skills in Ecology and Evolution 1 *Research Skills in Ecology and Evolution 2 *Research Skills in Ecology and Evolution 3	WBBY079-02 WBBY080-05 WBBY081-03	2 5 3	Yes (see Art. 4.4.2.)

Appendix IV Course units in the second and third year of the degree programme

- **List of course units; Article 7.1.1**
- **Compulsory order of examinations; Article 9.3**

4.1. Major-specific requirements

The second and third year of the degree programme are composed of 90 ECTS major-specific course units (described below for each major), plus a minor programme of 30 ECTS.

4.1.1. Major Biomedical Sciences

Compulsory course units (50 ECTS)

Course unit name	Course code	ECTS	Entry requirements
*Bachelor's Thesis Life Sciences	WBBY901-05	5	Yes (see Art. 4.4.8.)
Bioinformatics	WBBY002-05	5	n/a
Biology & Society: Ethical and Professional Aspects	WBBY049-05	5	n/a
Biomedical Sciences Practical	WBBY090-05	5	n/a
Immunology	WBBY020-05	5	n/a
Integrative Neuroscience ***or*** Medical Structural Biology	WBBY006-05 WBBY007-05	5	n/a n/a
Modelling Life	WBBY024-05	5	n/a
Molecular Genetics	WBBY008-05	5	n/a
*Research Project Biomedical Sciences	WBBY902-10	10	Yes (see Art. 4.4.7.)

Elective course units (40 ECTS)

Course unit name	Course code	ECTS	Entry requirements
Big Data in Human Disease	WBBY027-05	5	n/a
Biology of Cancer	WBBY030-05	5	n/a
Bio-organic Chemistry	WBBY050-05	5	n/a
Biostatistics II	WBBY032-05	5	n/a
Cardiovascular Disease	WBBY051-05	5	n/a
Cell Biology and Microscopy	WBBY034-05	5	n/a
Competences and Professionalization in Biology	WBBY076-05	5	n/a
Endocrinology	WBBY035-05	5	n/a
Epigenetics and Gene-editing	WBBY036-05	5	n/a
Evolutionary Medicine	WBBY039-05	5	n/a
Food and Metabolism	WBBY041-05	5	n/a
Hematopoietic Stem Cells, Differentiation and Development	WBBY055-05	5	n/a
Human Genetics and Genomics	WBBY042-05	5	n/a
Immunology and Disease	WBBY043-05	5	n/a
Integrative Neuroscience	WBBY006-05	5	n/a
Introduction to Nanomedicine and Drug Targeting	WBFA060-05	5	n/a
Medical Cell Biology	WBBY045-05	5	n/a
Medical Physiology	WBBY057-05	5	n/a
Medical Structural Biology	WBBY007-05	5	n/a
Microbes and Infection	WBBY059-05	5	n/a
Microbiome	WBBY060-05	5	n/a
*Molecular Research in Human Disease	WBBY061-05	5	Yes (see Art. 4.4.6.)

Neurobiology of Ageing	WBBY062-05	5	n/a
Psychobiology	WBBY063-05	5	n/a
Python Programming for Biologists	WBBY089-05	5	n/a

4.1.2. Major Behaviour and Neurosciences

Compulsory course units (50 ECTS)

Course unit name	Course code	ECTS	Entry requirements
*Bachelor's Thesis Life Sciences	WBBY901-05	5	Yes (see Art. 4.4.8.)
Behavioural Biology	WBBY013-05	5	n/a
Biology & Society: Ethical and Professional Aspects	WBBY049-05	5	n/a
Chronobiology ***or*** Bioinformatics ***or*** Genes and Evolution	WBBY003-05 WBBY002-05 WBBY004-05	5	n/a n/a n/a
Genes and Behaviour ***or*** Immunology	WBBY018-05 WBBY020-05	5	n/a
Integrative Neuroscience	WBBY006-05	5	n/a
Modelling Life	WBBY024-05	5	n/a
Molecular Genetics	WBBY008-05	5	n/a
*Research Project Behaviour & Neurosciences	WBBY903-10	10	Yes (see Art. 4.4.7.)

15 ECTS from the following course units

Course unit name	Course code	ECTS	Entry requirements
Biology of Human Behaviour	WBBY031-05	5	n/a
Endocrinology	WBBY035-05	5	n/a
Evolutionary Medicine	WBBY039-05	5	n/a
Neurobiology of Ageing	WBBY062-05	5	n/a
Psychobiology	WBBY063-05	5	n/a

Elective course units (25 ECTS)

Course unit name	Course code	ECTS	Entry requirements
Big Data in Human Disease	WBBY027-05	5	n/a
Bioinformatics	WBBY002-05	5	n/a
Biology of Human Behaviour	WBBY031-05	5	n/a
Biomedical Sciences Practical[2]	WBBY090-05	5	n/a
Biostatistics II	WBBY032-05	5	n/a
Cell Biology and Microscopy	WBBY034-05	5	n/a
Chronobiology	WBBY003-05	5	n/a
Competences and Professionalization in Biology	WBBY076-05	5	n/a
Endocrinology	WBBY035-05	5	n/a
Epigenetics and Gene-editing	WBBY036-05	5	n/a
Evolution and Development	WBBY037-05	5	n/a
Evolutionary and Ecological Genomics	WBBY054-05	5	n/a
Evolutionary Medicine	WBBY039-05	5	n/a
*Evolutionary Processes	WBBY040-05	5	Yes (see Art. 4.4.4.)
Food and Metabolism	WBBY041-05	5	n/a
Genes and Behaviour	WBBY018-05	5	n/a
Genes and Evolution	WBBY004-05	5	n/a
Human Genetics and Genomics[3]	WBBY042-05	5	n/a
Immunology	WBBY020-05	5	n/a
Integrative Biology	WBBY056-05	5	n/a
Medical Physiology	WBBY057-05	5	n/a
Microbes and Infection	WBBY059-05	5	n/a
Microbiome	WBBY060-05	5	n/a
Neurobiology of Ageing	WBBY062-05	5	n/a

Programming for Life Sciences	WBLT009-05	5	n/a
Psychobiology	WBBY063-05	5	n/a
Sensory Biology	WBBY085-05	5	n/a

[2]: Students from the major Biomedical Sciences take priority over students from the major Behaviour and Neurosciences.
[3]: It is only possible for students who are not studying nominally to follow this course unit, as its scheduling overlaps with mandatory course units.

4.1.3. Major Molecular Life Sciences

Compulsory course units (75 ECTS)

Course unit name	Course code	ECTS	Entry requirements
Bioinformatics	WBBY002-05	5	n/a
Biology & Society: Ethical and Professional Aspects	WBBY049-05	5	n/a
Bio-organic Chemistry	WBBY050-05	5	n/a
Cell Biology and Microscopy	WBBY034-05	5	n/a
Enzymology and Thermodynamics	WBBY053-05	5	n/a
Immunology	WBBY020-05	5	n/a
Integrative Neuroscience ***or*** Medical Structural Biology	WBBY006-05 WBBY007-05	5	n/a n/a
Microbiome	WBBY060-05	5	n/a
Modelling Life	WBBY024-05	5	n/a
Molecular Genetics	WBBY008-05	5	n/a
Practical Carrousel	WBBY048-05	5	n/a
Python Programming for Biologists	WBBY089-05	5	n/a
*Research Project Molecular Life Sciences	WBBY909-15	15	Yes (see Art. 4.4.7. & 4.4.7.1)

5 ECTS from the following course units

Course unit name	Course code	ECTS	Entry requirements
Bioanalytical and Omics Techniques	WBBY073-05	5	n/a
Biotechnology	WBBY074-05	5	n/a

Elective course units (10 ECTS)

Course unit name	Course code	ECTS	Entry requirements
Bioanalytical and Omics Techniques	WBBY073-05	5	n/a
Biology of Cancer	WBBY030-05	5	n/a
Biostatistics II	WBBY032-05	5	n/a
Biotechnology	WBBY074-05	5	n/a
Competences and Professionalization in Biology	WBBY076-05	5	n/a
Endocrinology	WBBY035-05	5	n/a
Epigenetics and Gene-Editing	WBBY036-05	5	n/a
Evolutionary Medicine	WBBY039-05	5	n/a
Food and Metabolism	WBBY041-05	5	n/a
Human Genetics and Genomics[3]	WBBY042-05	5	n/a
Immunology and Disease	WBBY043-05	5	n/a
Integrative Neuroscience	WBBY006-05	5	n/a
Introduction to Nanomedicine and Drug Targeting[3]	WBFA060-05	5	n/a
Medical Cell Biology	WBBY045-05	5	n/a
Medical Structural Biology	WBBY007-05	5	n/a
Microbes and Infection	WBBY059-05	5	n/a

[3]: It is only possible for students who are not studying nominally to follow this course unit, as its scheduling overlaps with mandatory course units.

4.1.4. Major Ecology and Evolution

Compulsory course units (55 ECTS)

Course unit name	Course code	ECTS	Entry requirements
Behavioural Biology ***or*** Python Programming for Biologists	WBBY013-05 WBBY089-05	5 5	n/a n/a
Biology & Society: Ethical and Professional Aspects	WBBY049-05	5	n/a
Biostatistics II	WBBY032-05	5	n/a
Genes and Behaviour ***or*** Conservation Biology	WBBY018-05 WBBY016-05	5	n/a n/a
Genes and Evolution	WBBY004-05	5	n/a
Modelling Life	WBBY024-05	5	n/a
*Research Project Ecology & Evolution	WBBY911-15	15	Yes (see Art. 4.4.7. & Art. 4.4.7.2.)
*Systems Ecology & Ecological Interactions 1	WBBY070-05	5	Yes (see Art. 4.4.3.)
*Systems Ecology & Ecological Interactions 2	WBBY071-05	5	Yes (see Art. 4.4.3.)

Elective course units (35 ECTS)

Course unit name	Course code	ECTS	Entry requirements
Behavioural Biology	WBBY013-05	5	n/a
Machine Learning in Ecology and Evolution	WBBY091-05	5	n/a
Biology of Human Behaviour	WBBY031-05	5	n/a
Competences and Professionalization In Biology	WBBY076-05	5	n/a
Conservation Biology	WBBY016-05	5	n/a
*Ecological and Evolutionary Modelling	WBBY083-05	5	Yes (see Art. 4.4.5.)
Evolution and Development	WBBY037-05	5	n/a
Evolutionary and Ecological Genomics	WBBY054-05	5	n/a
Evolutionary Medicine	WBBY039-05	5	n/a
*Evolutionary Processes	WBBY040-05	5	Yes (see Art. 4.4.4.)
Genes & Behaviour	WBBY018-05	5	n/a
Human Genetics and Genomics[3]	WBBY042-05	5	n/a
Integrative Biology	WBBY056-05	5	n/a
Marine Biology	WBBY044-05	5	n/a
Microbiome	WBBY060-05	5	n/a
Palaeobiology	WBBY084-05	5	n/a
Python Programming for Biologists	WBBY089-05	5	n/a
Sensory Biology	WBBY085-05	5	n/a

[3]: It is only possible for students who are not studying nominally to follow this course unit, as its scheduling overlaps with mandatory course units.

4.1.5. Major Integrative Biology

Compulsory course units (75 ECTS)

Course unit name	Course code	ECTS	Entry requirements
Behavioural Biology ***or*** Human Genetics and Genomics ***or*** Python Programming for Biologists	WBBY013-05 WBBY042-05 WBBY089-05	5	n/a n/a n/a
Biology & Society: Ethical and Professional Aspects	WBBY049-05	5	n/a
Biostatistics II *Biostatistics II is only compulsory for IB students who want to follow a Research Project within the research area of ecology or evolution in year 3.*	WBBY032-05	5	n/a
Chronobiology ***or*** Bioinformatics ***or*** Genes and Evolution	WBBY003-05 WBBY002-05 WBBY004-05	5	n/a n/a n/a
Evolution and Development	WBBY037-05	5	n/a
Evolutionary Medicine ***or*** Sensory Biology	WBBY039-05 WBBY085-05	5 5	n/a n/a
Genes and Behaviour ***or*** Immunology ***or*** Conservation Biology	WBBY018-05 WBBY020-05 WBBY016-05	5	n/a n/a n/a
Integrative Biology	WBBY056-05	5	n/a
Integrative Neuroscience	WBBY006-05	5	n/a
Modelling Life	WBBY024-05	5	n/a
Molecular Genetics	WBBY008-05	5	n/a
*Research project Integrative Biology	WBBY910-20	20	Yes (see Art. 4.4.7. & Art. 4.4.7.3.)

Elective course units (15 ECTS)

Course unit name	Course code	ECTS	Entry requirements
A course unit from the major Biomedical Sciences, Behaviour and Neurosciences, Molecular Life Sciences, or Ecology & Evolution	n/a	10	Depends on chosen course unit
Behavioural Biology	WBBY013-05	5	n/a
Bioinformatics	WBBY002-05	5	n/a
Biology of Human Behaviour	WBBY031-05	5	n/a
Biostatistics II	WBBY032-05	5	n/a
Chronobiology	WBBY003-05	5	n/a
Competences and Professionalization in Biology	WBBY076-05	5	n/a
Conservation Biology	WBBY016-05	5	n/a
*Ecological and Evolutionary Modelling	WBBY083-05	5	Yes (see Art. 4.4.5.)
Evolutionary Medicine	WBBY039-05	5	n/a
Genes and Behaviour	WBBY018-05	5	n/a
Genes and Evolution	WBBY004-05	5	n/a
Human Genetics and Genomics	WBBY042-05	5	n/a
Immunology	WBBY020-05	5	n/a
Marine Biology	WBBY044-05	5	n/a
Microbiome	WBBY060-05	5	n/a
Palaeobiology	WBBY084-05	5	n/a
Python Programming for Biologists	WBBY089-05	5	n/a
Sensory Biology	WBBY085-05	5	n/a

4.2. Minor programmes

Minors in the Life Sciences

The Bachelor's degree programme Biology offers its students two minors within the Life Sciences.

- Minor Biomedical Life Sciences
  Accessible to students following the major EE.

Course unit name	Course code	ECTS	Entry requirements
Bioinformatics ***or*** Chronobiology	WBBY002-05 WBBY003-05	5	n/a n/a
Human Genetics and Genomics ***or*** Python Programming for Biologists	WBBY042-05 WBBY089-05	5 5	n/a n/a
Immunology	WBBY020-05	5	n/a
Integrative Neuroscience ***or*** Medical Structural Biology	WBBY006-05 WBBY007-05	5	n/a n/a
Minor congress	WBBY023-05	5	n/a
Molecular Genetics	WBBY008-05	5	n/a

- Minor Ecology & Evolution
  Accessible to students following the major BMS, BN, MLS, or IB[1]

Course unit name	Course code	ECTS	Entry requirements
Behavioural Biology ***or*** Python Programming for Biologists	WBBY013-05 WBBY089-05	5	n/a n/a
Genes & Behaviour ***or*** Conservation Biology	WBBY018-05 WBBY016-05	5	n/a n/a
Genes & Evolution	WBBY004-05	5	n/a
Minor Congress	WBBY023-05	5	n/a
*Systems Ecology & Ecological Interactions 1	WBBY070-05	5	Yes (see Art. 4.4.3.)
*Systems Ecology & Ecological Interactions 2	WBBY071-05	5	Yes (see Art. 4.4.3.)

University minor "Neuroscience"

The Bachelor's degree programme Biology is also responsible for the University minor "Neuroscience". This minor is not accessible to students from the Bachelor's degree programme Biology.

Course unit name	Course code	ECTS	Entry requirements
Neuroscience	WBBY009-15	15	n/a
*Behavioural Neuroscience	WBBY010-15	15	Yes (see Art. 4.4.9.)

4.3. Courses with one or several practical components

Course details, practicals, entry requirements, mode of assessment, examination and entry requirements are described in Ocasys.

[1] Whether the minor is accessible to students from the major IB depends on their choice of electives in semester 1, Year 2.

4.4. Compulsory order of examinations

All course units in the curriculum are accumulative and assume knowledge, insight and skills to have been obtained in previous course units. Any deficiencies should be repaired as soon as possible.

Courses with specific entry requirements have been provided with a * in Art. 4.1.

4.4.1. Laboratory and Theoretical Research Skills in Life Sciences
This course unit (10 ECTS) consists of two different parts with separate course codes. Students are obliged to follow both parts at the same time. Students cannot follow a part individually (except for resits).

4.4.2. Research Skills in Ecology and Evolution 1, 2, and 3
This course unit (10 ECTS) consists of three different parts with separate course codes. Students are obliged to follow all three parts at the same time. Students cannot follow a part individually (except for resits).

4.4.3. Systems Ecology & Ecological Interactions 1 & 2
Participation in the course "Systems Ecology & Ecological Interactions 1" is an entry requirement for participation in the course "Systems Ecology & Ecological Interactions 2". An exception is made for students for whom the old curriculum course "Systeemecologie" is compulsory in their major.

4.4.4. Evolutionary Processes
Successful completion of the course "Genes & Evolution" is an entry requirement for participation in the course "Evolutionary Processes".

4.4.5. Ecological and Evolutionary Modelling
Successful completion of the course "Modelling Life" is an entry requirement for participation in the course "Ecological and Evolutionary Modelling".

4.4.6 Molecular Research in Human Disease
In order to follow the course "Molecular Research in Human Disease", students need to have followed the course "Biomedical Sciences Practical".

4.4.7. Research Projects
All students need to have obtained the following entrance conditions before being able to a start a major-specific Research Project in year 3 of the Bachelor's programme:

- 90 ECTS
- Including all course units from the first year of the Bachelor's degree programme Biology,
- Excluding the minor programme (30 ECTS).

Students can only follow the research project of their chosen major programme. A student is excluded from participation in a major-specific research project when the student has already completed the research project of another major programme. Consequently, students cannot graduate with two major programmes.

4.4.7.1 Students in the major Molecular Life Sciences
In order to start a Research Project, students in the major Molecular Life Sciences need to have followed the course "Practical Carrousel".

4.4.7.2. Students in the major Ecology & Evolution
In order to start a Research Project, students in the major Ecology & Evolution need to have followed the course "Biostatistics II".

4.4.7.3. Students in the major Integrative Biology
Students who want to follow a Research Project within the research area of ecology or evolution need to have followed the course "Biostatistics II".

4.4.8. Bachelor's Thesis
All students need to have obtained the following entrance conditions before being able to a start the Bachelor's Thesis:

- Students must have completed all course units from the first year of the degree programme,
- Students must have earned at least 60 ECTS from the second and third year of the degree programme.

4.4.9. University minor "Neuroscience"
Participation in the course Neuroscience is an entry requirement for participation in the course Behavioural Neuroscience. This entry requirement does not apply to students of Medicine and Human Movement Sciences.

Appendix V Contact hours (Article 3.6)

Information about contact hours
The contact hours in the bachelor degree programme Biology depend on the chosen major and the chosen course units throughout the bachelor programme. Students can expect an average of contact hours as listed below.

Degree programme year 1	
Structure contact hours	**Average contact hours per year**
Lectures	270
Tutorials	150
Practicals	200
Examinations	32

Degree programme year 2	
Structure contact hours	**Average contact hours per year**
Lectures	336
Tutorials	98
Practicals	183
Examinations	36

Degree programme year 3 (excl. minor programme)	
Structure contact hours	**Average contact hours per year**
Lectures	53
Tutorials	47
Practicals	250
Examinations	6

Appendix VI Additional Requirements Open degree Programmes (Art. 7.3)

Students who wish to pursue an open degree programme will have to file a request with the Board of Examiners. Any additional requirements to the open degree programme will be determined by the Board of Examiners and Programme director of the Bachelor's degree programme Biology.

Appendix VII Transitional provisions (article 12.1)

Course units that are no longer part of the Biology curriculum as of 2025-2026
The course units in the first column are no longer part of the curriculum. These will be replaced by course units in column “Alternative options in 2025-2026”. The extensive table can be found on the next pages.

Students who have passed the course unit “Programming for Life Sciences” or “C++ for Biologists” are not allowed to follow the course unit “Python Programming for Biologists”.

There are several course units that have been provided with a new course title, but that have the same content as a course unit in the curriculum of 2024-2025 and earlier. Therefore, students are not allowed to include the following course units next to each other in their individual course programme.

- Students who have passed the course unit “Biomedical Research Laboratory Course” are not allowed to follow the course unit “Biomedical Sciences Practical”.
- Students who have passed the course unit “Big Data Management in Ecology and Evolution” are not allowed to follow the course unit “Machine Learning in Ecology and Evolution”.

Students can only enroll for the last chance exam(s) when they have already followed the lectures and practicals of the old curriculum course. Students can only enroll for the alternative course(s) when they have not followed the lectures and practicals of the old curriculum course.

Transitional Arrangement 2025/2026
Biology

Course units no longer part of the curriculum	Year	Code	.	Alternative options in 2025/2026	Year	Code	Period
Big Data Management in Ecology and Disease	2	WBBY028-05		Machine Learning in Ecology and Evolution	2	WBBY091-05	2a3
Biomedical Research Laboratory Course	2	WBBY082-05		Biomedical Sciences Practical	2	WBBY090-05	1b1 OR 2a2
Choose an elective from the major Biomedical Sciences	2	nvt		# Biomedical Sciences Practical (Compulsory for students following the major Biomedical Sciences, cohort 2025 and later. Not compulsory for cohort 2024 and earlier.)	2	WBBY090-05	1b1 OR 2a2
C++ for Biologists	2	WBBY015-05		*Last chance exam C++ for Biologists (25/26)* Python Programming for Biologists	n/a 2	WBBY015-05 WBBY089-05	1b1 1b1
Cell Migration and Communication	2	WBBY072-05		*Last chance exam Cell Migration and Communication (25/26)* Choose an elective from the major Molecular Life Sciences	n/a n/a	WBBY072-05 n/a	2a2 n/a
First Year Symposium	1	WBBY017-02		Basic Academic Skills	1	WBBY086-02	1b
Host-microbe Interactions	2	WBBY019-05		*Last chance exam Host-microbe Interactions (25/26)* Microbiome	n/a 2	WBBY019-05 WBBY060-05	1b1 2b2
Programming in Life Sciences	3	WBBY075-05		Programming for Life Sciences (LST) Python Programming for Biologists	1 (LST) 2 (Biology)	WBLT009-50 WBBY089-05	2a3 1b1
Research Project Molecular Life Sciences (10 ECTS)	3	WBBY904-10		Research Project Molecular Life Sciences	3	WBBY909-15	2b
Research Project Ecology and Evolution 1	3	WBBY905-10		Research Project Ecology and Evolution	3	WBBY911-15	2a ***or*** 2b
Research Project Ecology and Evolution 2	3	WBBY906-10		Research Project Ecology and Evolution	3	WBBY911-15	2a ***or*** 2b
Research Project Integrative Biology 1	3	WBBY907-10		Research Project Integrative Biology	3	WBBY910-20	Semester 2
Research Project Integrative Biology 2	3	WBBY908-10		Research Project Integrative Biology	3	WBBY910-20	Semester 2
Research Skills in Ecology & Evolution 1	1	WBBY064-05		Research Skills in Ecology & Evolution 1 ***and*** Research Skills in Ecology & Evolution 3	1	WBBY079-02 WBBY081-03	2b
Research Skills in Ecology & Evolution 2	1	WBBY065-05		Research Skills in Ecology & Evolution 2	1	WBBY080-05	2b
Research Skills in Life Sciences 1	1	WBBY066-02		*	1	WBBY066-02	2b2 + 2b3
Research Skills in Life Sciences 2	1	WBBY067-03		Laboratory Research Skills in Life Sciences	1	WBBY087-05	2b2 + 2b3
Research Skills in Life Sciences 3	1	WBBY068-05		Theoretical Research Skills in Life Sciences	1	WBBY088-05	2b2 + 2b3
				# Biomedical Sciences Practical (WBBY090-05) has been added as a compulsory course unit for students following the major Biomedical Sciences from 2025-2026. It is compulsory for students from cohort 2025 and later. Students from cohort 2024 and earlier can choose any elective from the major Biomedical Sciences instead.			
				* Students who still have to complete Research Skills in Life Sciences 1 (WBBY066-02) will have to contact the academic advisor. Students who still have to complete both Research Skills in Life Sciences 1 (WBBY066-02) and 2 (WBBY067-03) must follow Laboratory Research Skills in Life Sciences (WBBY087-05).			
				1. Students can only enroll for the last chance exam(s) when they have already followed the lectures and practicals of the old curriculum course. 2. Students can only enroll for the alternative course(s) when they have not followed the lectures and practicals of the old curriculum course.			