

Biology

[See study programme](#)

Autumn 2023 (1. semester)

Exam Philosophicum - Novo	FIL1000 10 sp
Diversity of Life I - Invertebrates, Plants and Fungi	BIO1000 10 sp
Basic and Environmental Chemistry	KJ104F 10 sp
Laboratory Safety	KJ105F 0 sp

Spring 2024 (2. semester)

Genetics and Evolution	BI122F 10 sp
Biochemistry and Cell Biology	BI132F 10 sp
Mathematics/Statistics for Biologists	MA116F 10 sp

Autumn 2024 (3. semester)

Molecular Cell Biology	BI210F 10 sp
Diversity of Life II - Vertebrates	BIO1001 10 sp
Ecology	BI123F 10 sp

Spring 2025 (4. semester)

Scientific Methods	BI224F 10 sp
Marine Biology	BI206F 10 sp

Autumn 2025 (5. semester)

Elective courses

<u>Genomics and Bioinformatics</u>	BIO2011 15 sp
<u>Marine Research Methods at Sea</u>	BIO2004 5 sp
<u>Placement in Norway in Biology</u>	PRA2061 15 sp
<u>Placement Abroad in Biology</u>	PRA2060 15 sp
<u>Aquaculture</u>	AK122F 10 sp
<u>Sustainability in Practice</u>	ECO2009 10 sp
<u>Aquatic Microbiology</u>	BIO2012 7.5 sp

Spring 2026 (6. semester)

Elective courses

<u>Biology of marine mammals</u>	BIO2013 7.5 sp
<u>Placement in Norway in Biology</u>	PRA2061 15 sp
<u>Placement Abroad in Biology</u>	PRA2060 15 sp
<u>Bachelor's Thesis in Biology</u>	BIO2017 15 sp
<u>Sustainability, Climate and Ethics</u>	BIO1008 7.5 sp
<u>Evolutionary Behavioural Ecology</u>	BIO2018 7.5 sp
<u>Marine Macrophytes</u>	BIO2016 7.5 sp

Programme description

Why are some individuals more sexually attractive than others? What mechanisms make living organisms resist bacteria, viruses and parasites? How are seabirds influenced by uncontrolled oil spills?

These are some of the questions the study of biology seeks to answer. Biology helps us to understand living organisms, and this study programme gives you a solid background for a future career in biology, e.g. within the fields of conservation, sustainable development, marine resources and molecular biology.

About the programme:

The teaching language is English.

This study programme provides basic knowledge in biological topics including ecology, evolution, biodiversity, genetics as well as basic chemistry, mathematics and statistics. In some courses the students participate in lab and field activities.

The last year of the programme is more flexible so that students have an opportunity for some specialising according to their interests. Advanced level elective courses are offered, including bachelor's thesis, 15 weeks of work experience in Norway or abroad, a semester or two abroad at a partner university, or courses at the University Centre in Svalbard (UNIS).

The BSc in Biology programme qualifies for an Master in Bioscience.

Learning outcomes

Upon successful completion of this programme, the Candidate:

Knowledge:

Has thorough knowledge of key theories, research questions, tools and methods in biology

Has knowledge of basic research in biology

Is able to update his or her knowledge of biology

Appreciates the ethical challenges of biology

Skills:

Can apply his or her professional knowledge to analyse biological research questions

Can locate, assess and refer to scientific information from a variety of sources in order to shed light on biological research questions

Can reflect on his or her own professional practice and adjust this under supervision

General competence:

Demonstrates understanding of key topics related to biological research

Can communicate key scientific information such as theories, research questions and results both written and orally

Can exchange scientific knowledge and views with other biologists and through this contribute to scientific development

Admission requirements

1. Higher education entrance qualification
2. English language proficiency
3. Financial capacity - non-EU/EEA applicants
4. Special requirements: Applicants for the Bachelor's programme in Biology must document previous studies in natural sciences at high school or university level:
 1. Mathematics R1/(S1+S2)
(Mathematics advanced subsidiary level)
 2. Plus one of the following:
 - Mathematics R1+R2
(advanced level)
 - Physics 1 + 2 (advanced level)
 - Chemistry 1 + 2 (advanced level)
 - Biology 1 + 2 (advanced level)
 - Information Technology 1 + 2 (advanced level)
 - Geosciences 1 + 2 (advanced level)
 - Technology and research subjects
1 + 2 (advanced level)

Admission requirements for bachelor's programmes

General admission and documentation requirements

Frequently asked questions about admission

Further education

BSc in Biology qualifies for the Master of Science programme in Biosciences at Nord University, or for master programmes at other institutions in Norway and abroad.

Master of Biosciences at Nord has the following specialisations:

Aquaculture, genomics, livestock science, marine ecology and terrestrial ecology and nature management.

Study abroad

Ever thought of spending part of your degree in another part of the world?

To promote international competence, it is expected that candidates will spend at least 3 months (usually in the 6th semester) with our collaborating universities in Europe and other parts of the world. These institutions offer you exciting opportunities to study for one or two semesters abroad, allowing a broader scope and diversity of topics than can be offered by a single university alone. You can also spend 15 weeks on a work placement abroad as part of your undergraduate studies.

We are flexible and have dedicated staff who will do their best to help you with your stay abroad. A study abroad complements your degree studies best in the third academic year.

For more information on the process, you can contact advisor for study exchange, [Jose De Pool](#).

The world is yours to explore!

Costs

No tuition fees. Costs for semester registration and course literature apply. In addition, it is assumed that students have a laptop with headset and camera. Students must purchase their own laboratory coat for use in courses with laboratory exercises.

Students should also expect to incur costs in the amount of NOK 4,000 in relation to field excursions.

Assessment methods

Assessment consists of school exams, portfolio assessment, practical and oral examination.

Graduation requirements

In order to graduate, students must have completed all compulsory course units (120 ECTS) in addition to elective courses worth 60 ECTS. Writing a bachelor theses is elective.

Programme evaluation

Students take an active part in the evaluation of the courses in the programme through mid-term and final evaluation. Dialogue meetings are also conducted between students and the programme director every semester.

Qualifications requirements and regulations

Refer to applicable legislation, regulations and related guidelines