

Department of Biology Education

Education plan

for

Masterprogram i evolutionär genomik
Master's programme in Evolutionary Genomics

120.0 Higher Education Credits
120.0 ECTS credits

Programme code:	NEVGO
Valid from:	Autumn 2025
Date of approval:	2025-03-27
Changed:	2025-03-31
Department:	Department of Biology Education

Decision

Finalized by: Områdesnämnden för naturvetenskap, 2025-03-27

Prerequisites and special admittance requirements

Admission to the programme requires a Bachelor's degree in Biology or equivalent. Also required is knowledge equivalent to Swedish upper secondary course English 6 or equivalent.

Programme structure

The programme consists of compulsory courses of 45 HEC, a degree project of 30, 45 or 60 HEC and optional courses of 45; 30 or 15 HEC depending on the scope of the degree project.

Goals

The main field of study is Evolutionary Genomics.

For a Degree of Master (Two Years) students must

- demonstrate knowledge and understanding in their main field of study, including both broad knowledge in the field and substantially deeper knowledge of certain parts of the field, together with deeper insight into current research and development work; and
- demonstrate deeper methodological knowledge in their main field of study.
- demonstrate an ability to critically and systematically integrate knowledge and to analyse, assess and deal with complex phenomena, issues and situations, even when limited information is available;
- demonstrate an ability to critically, independently and creatively identify and formulate issues and to plan and, using appropriate methods, carry out advanced tasks within specified time limits, so as to contribute to the development of knowledge and to evaluate this work;
- demonstrate an ability to clearly present and discuss their conclusions and the knowledge and arguments

behind them, in dialogue with different groups, orally and in writing, in national and international contexts; and

- demonstrate the skill required to participate in research and development work or to work independently in other advanced contexts.

- demonstrate an ability to make assessments in their main field of study, taking into account relevant scientific, social and ethical aspects, and demonstrate an awareness of ethical aspects of research and development work;

- demonstrate insight into the potential and limitations of science, its role in society and people's responsibility for how it is used; and

- demonstrate an ability to identify their need of further knowledge and to take responsibility for developing their knowledge

Courses

Compulsory courses:

Evolutionary ecology, AN, 7,5 hp (BL7054)*

Statistics for biologists II, AN, 7,5 hp (BL7068)

Evolutionary genomics: theory and praktik, AN, 7,5 hp (BL7082)*

Science in Biological Research and Investigation SC, 7,5 HEC (BL8008)

Paleogenetics, AN, 15 hp (BL7069)*

Degree project:

Evolutionary genomics, degree project 30/45/60 hp*

Optional courses:

Optional courses of 45, 30 or 15 HEC depending on the scope of the degree project.

*The course is within the main field of subject for the programme.

Degree

Master's degree.

Misc

The programme is offered in English.

Within the programme, the scope of first-cycle courses is limited to a maximum of 30 credits.

For elective courses, the restrictions on using the course in the degree apply as stated in the syllabus for each course.

Students who have been admitted to the programme but not completed it during the scheduled two/three years can request to complete the program even after the programme syllabus no longer applies. In such cases, the limitations stated in the course syllabus apply.