

## Biology: Admission with a HBO-diploma (Pre-master)

### Prior education requirement

You cannot join the Master's programme immediately as you must first complete a Pre-master's programme, which starts in September. Once you have completed this programme, you can in theory start your Master's programme in Biology. Admission to the Pre-master's programme is granted on an individual basis by the Admissions Board on the basis of the documents you supply.

The Admission Board will consider your application. If accepted, the Admission Board will assign you one of the two Pre-master's programmes below (or assign you an individually-tailed Pre-master's programme). Completion of the Pre-master's programme will allow enrolment in the Master's programme Biology.

We offer two types of Pre-master's programmes, depending on your educational background:

1. Pre-master's programme containing topics in Biology. This programme is suitable for students with a qualification in:

- (Applied) Biology (CROHO 30009)
- Environmental Management (CROHO 34859)
- Animal Management (CROHO 34333)

2. Pre-master's programme containing topics in Molecular Life Sciences. This programme is suitable for students with a qualification in:

- Biology and Medical Laboratory Research (CROHO 34397)
- Biotechnology (CROHO 34331)
- Bioinformatics (CROHO 39215)

### Content Pre-master's programme

Please note: It is a good idea to think long and hard about your ambitions and whether the Pre-master's and Master's programmes will help you to achieve them. The Pre-master's programme is tough for all students and not all of them are able to complete it. Studying at a university is a very different experience from studying at a university of applied sciences. You must be motivated to spend an average of 30-40 hours per week focusing exclusively on your studies. We advise students to start preparing for the programme in the summer holidays by doing some self-study, for example. Having said this, an above-average, well-motivated university of applied sciences student will normally manage to complete the Pre-master's programme successfully.

Pre-master's programme containing topics in Biology (38 ECTS):

- [Systems Ecology & Ecological Interactions I](#) (period 1a, 5 ECTS)
- [Systems Ecology & Ecological Interactions II](#) (period 1a, 5 ECTS)
- [Genes and Evolution](#) (period 1a, 5 ECTS)
- [Microbiology](#) (period 1b, 5 ECTS)
- [Lab Course](#) (period 1b, 3 ECTS)
- [Biostatistics 1](#) (period 1b, 5 ECTS)
- [Biostatistics II](#) (period 2a, 5 ECTS)
- [Bachelor Thesis](#) (whole year, 5 ECTS)

Pre-master's programme containing topics in Molecular Life Sciences (40 ECTS):

- [Molecular Genetics](#) (period 1a, 5 ECTS)
- [Medical Structural Biology](#) (period 1a, 5 ECTS)
- [Bioinformatics](#) (period 1a, 5 ECTS)
- [Modelling Life](#) (period 1b, 5 ECTS)
- [Cell Biology and Microscopy](#) (period 2a, 5 ECTS)
- [Bio-organic Chemistry](#) (period 2a, 5 ECTS)
- [Enzymology and Thermodynamics](#) (period 2b, 5 ECTS)
- [Bachelor Thesis](#) (whole year)

**Please note:** the programme above gives you a good idea of what to expect in practice, but is subject to availability. Depending on knowledge and skills alterations may be introduced to this programme on an individual base.