

## Biomedical Sciences: 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 lasting around five months (one semester), which starts in September or February. Once you have completed this programme, you are able to start your Master's programme in September. 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 following types of qualifications from a University of Applied Sciences are usually sufficient:

- Biology and Medical Laboratory Research (specializing in molecular biology / biochemistry / diagnostics; a research specialization is best).
- Biotechnology.

Other qualifications from a University of Applied Sciences are not considered sufficient for admission to a Pre-master's programme.

**Please note:** the pre-master programme is intended for students at a University of Applied Sciences who are performing well above average: the Admissions Board assesses students on the strength of the knowledge they have already acquired and motivation. The standard condition is a weighted average mark (for all the course units completed until that point) of  $\geq 7.5$ .

### Content Pre-master 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, for five-six months, focusing exclusively on your studies. We advise students to start preparing for the programme in the summer holidays by doing some self-study. Having said this, an above-average, well-motivated University of Applied Sciences student will normally manage to complete the pre-Master's programme successfully.

The standard Pre-master's programme of 30 ECTS comprises the following course units (more detailed descriptions of the course units can be found on [Ocasys](#)):

- Molecular genetics
- Integrative Neuroscience
- Bioinformatics
- Host-microbe interactions
- Immunology
- Bachelor thesis

The semester 2 Pre-master's programme of 30 ECTS comprises the following course units (more detailed descriptions of the course units can be found on [Ocasys](#)):

- Behavioural Neurosciences
- Biology of Cancer
- Endocrinology
- Neurobiology of Ageing OR Cardiovascular Disease
- Medical Physiology
- Bachelor thesis

For the academic year 2024-2025 students can choose one of the two packages mentioned above, it is not possible to combine individual courses.

**Please note:** the programme above is meant as an example, to give you a good idea of what to expect in practice. Depending on knowledge and skills may be introduced to this programme for every individual case.