Applied Physics: Admission with a HBO-diploma (Pre-master)

Prior education requirement

With an HBO bachelor's degree you cannot be admitted directly into the master's degree programmes in Physics or Applied Physics. For some select HBO bachelor's degrees it may be possible to enter the master programmes via a pre-master programme of 50-60 ECTS. After successful completion of this pre-master's programme, and satisfy the English language requirement, you can start the master's programme in September.

Admission to the pre-master's programme is granted on an individual basis by the Board of Admissions. The premaster content is set on an individual basis by the Board of Admissions and depends on the knowledge obtained by the prospective student within the bachelor's programme. An example of a pre-master programme is given below.

Experiences from recent years have learned that it is very hard to enter the master's degree programmes in Physics or Applied Physics on the basis of a pre-master programme. Successful completion of the pre-master has thus far mainly been possible for students who followed an HBO degree programme in Physics, from Applied Universities such as Fontys, Saxion, or de Haagse Hogeschool.

Admission is not selective; this means that grades will not be taken into account. However, it is important to realize that the level of the pre-master is higher than at your HBO, both regarding content and pace. **We therefore do not recommend to apply for a pre-master programme if you have an average grade below 7.0.**

If you have doubts about your level and your chances of being successful in the pre-master and master's programme, you are welcome to discuss your options with the academic advisor.

Content pre-master programme

The pre-master programme listed below was setup for students with an HBO Bachelor's degree in Physics:

- Thermal Physics (Period 1a+1b)
- Quantum Physics 1 (1a)
- Solid Mechanics or Atoms and Molecules (1a)
- Physics Laboratory 4 (1b)
- Nanophysics and Nanotechnology (1b)
- Structure of Matter 1 (2a)
- Device Physics (2a)
- Nanoprobing and Nanofabrication (2a)
- Bachelor's Research Project (2b)

All course descriptions can be found in the online course catalogue Ocasys.

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.