

## **Mechanical Engineering: Admission with a HBO-diploma (Pre-master)**

### **Prior education requirement**

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 Pre-master's content is set on an individual basis by the Board of Admissions and depends on the knowledge obtained in the Bachelor's programme. The following types of qualifications from a university of applied sciences are usually sufficient for a Pre-Master programme:

- Mechanical Engineering students from a university of applied sciences (HBO werktuigbouwkunde) have to fulfill a programme of 50 ECTS.
- Electronics (HBO Electrotechniek)
- Mechatronics (HBO Mechatronica)
- Sensor technology (HBO Sensor technologie)

### **Content Pre-master's programme**

The Pre-master's programme is a bridging programme for students from a university of applied sciences and can be seen as an entrance examination in itself. You must complete 45 ECTS of the programme within one year, which in practical terms, means that you can only fail one course (or none of you have a premaster smaller than 45ECTS) and if you do you will still have to pass it the next year. The courses in the Pre-master are not always in a logical order, as it contains courses from multiple years of our Bachelor's programme in Industrial Engineering and Management.

Therefore, the Pre-master's programme is a very demanding programme and not all students are able to complete it. A lot of autonomy is expected and 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. 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 50 ECTS comprises the following course units can be found on [Ocasys](#). The programme on Ocasys is the standard Pre-master for HBO students of Mechanical Engineering and serves as an example of what kind of courses you can expect in the Pre-master. Depending on your bachelor this programme may vary. The programme in your admission letter is leading.