

Systems & Control: 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 Board of Admissions. The pre-master 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.

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 invest about 10 months in serious studying, and reserve sufficient hours per week. 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.

An example of a pre-Master's programme for the MSc. programme Systems & Control is shown below. Course units have a study load of 5 ECTS each. It is sometimes possible to include one or more of these course units in the HBO programme, as a so-called fast-track programme (doorstroom programma).

Period 1a	Period 1b	Period 2a	Period 2b
Calculus for IEM	Linear Algebra for IEM	Calculus 2 for IEM	Control Engineering
Computational Methods of Science	System Dynamics	Signals and Systems	Linear Systems
Dynamics and Vibrations	Introduction to Graph Theory	Modelling and Analysis of Complex Networks	Mathematical Modelling

Please note: The pre-master 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. The programme above is meant as an example, to give you an idea of what to expect in practice. Changes may be introduced to this programme every academic year, for example due to curriculum changes. Depending on knowledge and skills may be introduced to this programme for every individual case.