

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

FSE offers Pre-Master's programmes of 60 EC, 45 EC or 30 EC, and individually determined Pre-Master's programmes. The overview below shows:

- which NVAO-accredited HBO diploma grants access to the MSc Mechanical Engineering;
- The content and student workload for these fixed programmes.
  - Bachelor Mechanical Engineering/Werktuigbouwkunde (croho 34280)
  - Bachelor Electrical Engineering/Elektrotechniek (croho 34267)

### **Pre-master for the Advanced Instrumentation or Smart Factories track**

Semester	Course Title	Course Code	ECTS
1a	Calculus 1 (for IEM) (WBIE003-05)	WBIE059-10	5
1a	Numerical Methods (for IEM))	WBIE049-05	5
1b	Solid Mechanics (for IEM)	WBIE055-05	5
1b	Linear Algebra (for IEM)	WBIE009-05	5
1b	Materials Science and Engineering	WBPH071-05	5
2a	Calculus 2 (for IEM)	WBIE017-05	5
2a	Signals and Systems	WBIE030-05	5
2b	Literature Thesis ME	WBIE056-05	5
2b	Control Engineering	WBIE034-05	5
<b>Total</b>			<b>45</b>

### **Premaster for the Smart and Green Energy Systems track**

Semester	Course Title	Course Code	ECTS
1a	Calculus 1 (for IEM) (WBIE003-05)	WBIE059-10	5
1a	Numerical Methods (for IEM))	WBIE049-05	5
1b	Solid Mechanics (for IEM)	WBIE055-05	5
1b	Linear Algebra (for IEM)	WBIE009-05	5
2a	Technical Thermodynamics (IEM)	WBIE031-05	5
2a	Calculus 2 (for IEM)	WBIE017-05	5
2a	Signals and Systems	WBIE030-05	5
2b	Literature Thesis ME	WBIE056-05	5
2b	Physical Transport Phenomena	WBIE061-05	5
<b>Total</b>			<b>45</b>

- Starting date 1 September

For HBO programmes not listed above, the Board of Admissions decides:

- a. The content and the student workload of a tailor-made Pre-Master's programme.
- or**
- b. Admission is not accepted.

The starting dates of the tailor-made programmes can be either 1 September or 1 February, depending on the selection of courses.