

## **Biomedical Engineering Pre-master: Admission for students with a bachelor degree in Human Movement Sciences**

- Students with a BSc. UG degree in Human Movement Sciences can be admitted to the MSc. degree programme Biomedical Engineering, after finishing a pre-master's programme of 45-50 ECTS (depending on track choice). Please note that this programme may slightly change every year, due to curriculum changes.
- The pre-master's programme starts in September and takes one full academic year to complete.
- You need to successfully finish a pre-master's programme within one academic year, otherwise you will not be admitted to the connecting MSc. programme.
- You may include some of the pre-master course units in your own Bachelor's programme. The Board of Examiners of your Bachelor's degree may decide whether you can take these course units as a minor or electives.
- An example of a pre-master's programme tailored to the Medical Device Design (MDD) or Biomaterials Science and Engineering (BSE) track of the BME Master's programme can be found below.

1. Python and Numerical Methods (1a)\*
2. Designing Biomedical Products (1a)\*
3. Electricity and Magnetism (1b)
4. Material Science (1b)
5. Signals and Systems (2a)\*
6. Molecules of Life for BME (2a)\*
7. Electronics (2a)\*
8. Biomaterials 1 (2b)\*
9. Transport in biological Systems (2b)\*

An example of a pre-master's programme tailored to the Medical Imaging (MI) track can be found below.

1. Python and Numerical Methods (1a)\*
2. Designing Biomedical Products (1a)\*
3. Dynamics and Vibration (1a)\*
4. Electricity and Magnetism (1b)
5. Material Science (1b)
6. Signals and Systems (2a)\*
7. Molecules of Life for BME (2a)\*
8. Physics and Technology of Medical Imaging (2a)\*
9. Biomaterials 1 (2b)\*
10. Transport in biological Systems (2b)\*

\* These course units are usually suited to include in the minor/elective part of the BSc programme Human Movement Sciences. In this way, the remaining pre-master's programme will be slightly shortened.