Information regarding the pre-study internship
for the English-language degree programme Mechatronics (B.Eng.) at FHWS

Pre-study internship contents:
During the six-week pre-study internship, at least two of the following three areas should be covered. The period of training in one area should be at least 2 weeks. Generally, one sub-area has to be selected for each of the areas.

- Mechanical:
  - Metal working (e.g. cutting, forming, joining/separation techniques)
  - Manufacturing methods/machinery
  - Assembly, maintenance, repair of machinery
- Electrical/Electronics:
  - Electrical installation (soldering, electrical cabinet assembly)
  - Electrical components (sensors, actuators) and machinery
  - Production, assembly, service of technical systems
- Control and information technology
  - Data processing and transmission (digital signal processing, communication, bus systems)
  - Information technology (database systems, applications, operating systems)
  - Design and programming of mechatronic systems (programmable logic controllers (PLCs), control mechanisms)

After a written application to the Department of Student Affairs (HSST) the following students can be exempted from a pre-study internship:

- First semester students with a completed vocational training in one of the areas listed above
- First semester students with relevant professional experience of at least six months in full-time employment

Training reference:
The training reference has to include the areas selected and the period of training. It should include name and contact details of the company and be signed and stamped by a company employee. If the reference is written in any language other than German or English, please hand in a certified translation. Please submit a copy of the reference and, if applicable, a certified translation to the internship office, i.e., the Department of Student Affairs (HSST).

Timeframe:
The pre-study internship is a prerequisite to enrol studies at FHWS and should therefore be completed before the start of the first semester. In exceptional cases, you may complete the pre-study internship by the end of the second semester. Please note, that, in this case, the internship can only be completed during semester breaks. In general, you can do the internship either in Germany, your home country or any other country. In Germany, you can only get an internship only, if you have advanced German language proficiency (CEFR Level B2).

Information for companies regarding the students’ knowledge:
- At the moment, the majority of our students’ language skills has potential for improvement. FHWS therefore offers German language courses for all its international students.
- All students possess advanced English language proficiency.
- Students have no or only very limited practical knowledge of the respective training contents.

It is the students’ responsibility to find an internship. FHWS and the FHWS Team International can help with tips and tricks or by providing contact details, but they cannot officially act as agents. If you have any questions, please contact i-campus@fhws.de