



FHWS – University of Applied Sciences Würzburg-Schweinfurt

Information about the university

- > One of the largest universities of applied sciences in southern Germany
- > Degree programmes with a combination of theoretical and practical components
- > Personal study groups
- > Modern infrastructure and laboratories equipped with the latest technology
- > More than 40 degree programmes at 10 faculties
- > 9,100 students (last updated: summer semester 2021)
- > Close collaboration with regional and transregional companies and enterprises

Location

- > Situated in one of the most beautiful regions of Germany
- > Two locations (appr. 40 km apart), Schweinfurt is an industrial hub
- > Perfect starting point to discover Germany and Europe
- > Major international airports at Frankfurt (116 km) and Munich (278 km) within easy reach



The Future Is What You Make of It – Studying on the FHWS i-Campus

International orientation

- > Cooperation with more than 230 universities worldwide
- > Students from more than 80 different countries
- > Experience in international cooperation for more than 30 years

Be part of an international network of proficiency

- > English degree programmes
- > TWIN-Programmes (switch between languages and courses possible)
- > Language classes
- > Intercultural teams
- > No tuition fees

Active integration into German on-campus student life

- > Orientation Programme before start of semester
- > Support programme and intercultural training during the semester
- > Halls of residence in the immediate vicinity of the university

Getting geared up for the future

- > A universally recognized and accredited German degree
- > Qualification for successful careers in German and international working environments



FHWS Team International
 Phone: +49 931 3511-6500
 E-Mail: i-campus@fhws.de
www.facebook.com/FHWSicampus
www.instagram.com/fhws_international

**University of Applied Sciences
 Würzburg-Schweinfurt**

**Faculty of Electrical Engineering
 Faculty of Mechanical Engineering**
 Ignaz-Schön-Straße 11
 97421 Schweinfurt
 Germany

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www.international.fhws.de

Mechatronics





Degree Programme

The degree programme Mechatronics is devised to meet the multidisciplinary requirements of today's industry. This engineering discipline combines the competences from areas of electrical and mechanical engineering with information processing. The teaching staff has a vast industrial experience and is actively involved in research and development in cooperation with national and multinational enterprises. A graduation in the field of Mechatronics at FHWS opens many doors to a fascinating career as an engineer. Potential employers are companies from industrial sectors like automotive, aerospace, robotics, manufacturing, material processing, energy systems, drives, printing, medical systems, and consumer products etc.

TWIN-Programme

The degree programmes in the field of mechatronics are offered in two languages: English and German. The contents of these TWIN-Programmes are almost the same. The students are allowed to freely switch between these two programmes. It is possible to obtain a TWIN-Certificate which proves that students completed their studies in both languages and are perfectly qualified for successful careers in the German and international working environment.

Programme Structure

Sem.	Modules
1-3	Basic and foundation modules Mathematics, Physics, Computing, Electrical Engineering, Mechanical Design, Mechanics, Microcomputer Systems, General Electives, Foreign Language etc.
4-5	Core modules Measuring Techniques, Actuators, Control Systems, Logical Control, Software Engineering, Embedded Systems, Design and Simulation of Mechatronic Systems etc. Specialisation A wide range of specialisation modules with direct industrial relevance to automation, robotics, power engineering, manufacturing and automotive sectors.
6	Internship and practice-related courses
7	Engineering project, labs, thesis and seminar

Graduation

Bachelor of Engineering (B.Eng.)

- > Accredited by the German Accreditation Council (GAC)
- > Full-time
- > The academic year always starts in October
- > 100% taught in English

Admission Requirements

University entrance qualification

Certificate of completion of secondary education. Proof of previous higher education and qualifications (if applicable).

Knowledge of English

A solid knowledge of the English language (at least B2 level of CEFR) is required for studies at FHWS.

- > TOEFL test with a min. of 83 points (Internet-based)
- > IELTS with a min. of 6.0 points
- > Cambridge Certificate on Advanced level (CAE)
- > Cambridge First Certificate in English (FCE)
- > UNIcert® Certificate, minimum level II (UniCert® II)

Knowledge of German

Non-native speakers must demonstrate knowledge of the German language at A2 level of CEFR. This proficiency level with corresponding certificate can also be achieved within the first two semesters of your studies at FHWS. The university will organise special German classes for international students.

Pre-study internship

6-week technical internship that should be completed before the start of studies and which has to be organised by the students themselves. In some exceptional cases it can be completed during the first two semesters.

Tuition Fees

The German education system is state funded. German as well as international students at FHWS in Schweinfurt only have to pay an administrative fee of about € 97 per semester.

Application

Applications have to be submitted online. The formal deadline for applications is 15 July for the following winter semester. An early application is highly recommended for international students. For further information on admission requirements and application procedure, please check our website:

www.international.fhws.de/en

Support

All English degree programmes include German classes and intercultural training in order to ensure the best possible integration of international students. A special Orientation Programme is organised by the university to familiarise the students with the life at FHWS and in Germany. Various cultural events and other services e.g. guided tours, field trips and workshops are offered during the semester.