

Location

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



**Would you like to study at an international university of applied sciences?  
FHWS is the perfect choice! We are part of a network of well over 160 partner universities and our students come from 70 different countries.**



**Bachelor's Degree Programme in English  
Mechatronics**

Faculty of Electrical Engineering  
Faculty of Mechanical Engineering

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
- > 9,000 students/200 professors (last updated: winter semester 18/19)
- > Close collaboration with regional and transregional companies and enterprises

**University of Applied Sciences  
Würzburg-Schweinfurt**

Faculty of Electrical Engineering  
Faculty of Mechanical Engineering  
Bachelor's Degree Programme Mechatronics  
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[www.instagram.com/fhws\\_international](https://www.instagram.com/fhws_international)





## 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	<b>Basic and foundation modules</b> Mathematics, Physics, Computing, Electrical Engineering, Mechanical Design, Mechanics, Microcomputer Systems, General Electives, Foreign Language etc.
4-5	<b>Core modules</b> Measuring Techniques, Actuators, Control Systems, Logical Control, Software Engineering, Embedded Systems, Design and Simulation of Mechatronic Systems etc. <b>Major electives</b> A wide range of elective 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.)

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

## 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. Applicants whose previous education is not in English, are advised to achieve:

- > TOEFL test with a min. of 80 points (Internet-based)
- > IELTS with a min. of 6.5 points
- > Cambridge Certificate on Advanced level (CAE)

### Knowledge of German

Non-native speaker 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.

### 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.



## 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](http://www.international.fhws.de/en)

## Tuition Fees

The German education system is state funded for German as well as international students. At FHWS in Schweinfurt students only have to pay an administrative fee of € 80 per semester.

## 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.