

APPLICATION

Internet of Things and Smart Systems

ADMISSION REQUIREMENTS

- a previous degree with at least 180 ECTS points in computer science or related fields
- language requirements for non-native speakers: English B2, German A1
- personal statement (explanation of motivation to study)

APPLICATION DOCUMENTS

- degree diploma and transcript of records
- language certificate (English instruction language is not sufficient)
- personal statement letter

APPLICATION PERIOD

- National applicants: until July 15th
- EU and Non-EU applicants:



Applications are also possible after the deadlines for courses with free capacity. Please contact us for more information.



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NUMBERS AND FACTS

144

PROFESSORS

406

INTERNATIONAL STUDENTS

3.000

STUDENTS

155

INTERNATIONAL PARTNER UNIVERSITIES

62

COURSES OF STUDY



DEGREES

BACHELOR
GERMAN DIPLOM
MASTER

FIELDS OF STUDY

TECHNOLOGY
ECONOMICS
HEALTHCARE
LANGUAGES
APPLIED ARTS

WESTSÄCHSISCHE HOCHSCHULE ZWICKAU

Kornmarkt 1, 08056 Zwickau
www.whz.de

Information on studying and applying

National applicants:
Dezernat Studienangelegenheiten/Studienberatung
+49 375 536 1184; studieren@fh-zwickau.de

EU and Non-EU applicants:
International Office
+49 375 536 1061; study@fh-zwickau.de

Information about the course

Physical Engineering/Computer Sciences
www.whz.de/english/university/faculties/physical-engineeringcomputer-sciences



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WHZ, K&M, 05/2025



WHZ Westsächsische Hochschule Zwickau
University of Applied Sciences

FULL-TIME PROGRAMME, TAUGHT IN ENGLISH

Internet of Things and Smart Systems

Master of Science (M.Sc.)



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Internet of Things and Smart Systems

OVERVIEW

Create breakthrough innovations with software products and go beyond the obvious and the ordinary! Whether it's effectively monitoring industrial plants remotely, tracking a vehicle fleet, or maintaining logistical supply chains. The potential of digital value creation is huge: already now, many billions of devices around the world interact in the Internet of Things, as the IoT has long since arrived in all parts of the economy.

Its uses range from goods tracking in real-time to logistics, building management and predictive maintenance in industry and much more. The IoT accelerates business processes and is decisive for companies' success, enabling new business models and services. Creative minds are needed to develop just such applications and devices.

STUDY SCHEDULE / STRUCTURE OF DEGREE

Semester 1

- Project Management
- Human-Computer-Interaction and its Application to IoT
- IoT Architecture and Visualisation
- Compensation Programming
- Responsible Computing: Ethics, Society, and Security
- Language Training*

**Elective Courses, e.g.:

Computer Graphics and Virtual Environments, In-depth Informatics Topics for Master, Information Systems, Car-to-Car Communication, Science Communication, Applications of Machine Learning, Introduction into Computational Linguistics and Intelligent Text Processing

Semester 2

- IoT Project
- Artificial Intelligence
- Large Scale Data Processing
- Mobile Applications (Specialization Computer Science)
- Analytics for Data Driven Desicions (Specialization Business and Marketing)
- Global Business and Project Communication in English
- Language Training*

*Language Training:

German (alternatives: Spanish, Portuguese, Intercultural Communication)

Semester 3

- Interdisciplinary Project
- IoT Development
- Advanced Topics
- Introduction Autonomous Driving (Specialization Computer Science)
- Digital Business Models (Specialization Business and Marketing)
- Elective Courses** and Language Training*

Semester 4

- Master Project



Degree: Master of Science (M.Sc.)

No. of semesters/Credits: 4 semesters / 120 ECTS

Semester start: Winter semester

Admission restriction: Restricted entry

Type of programme: Full-time programme

Tuition fees: No tuition fees / only administrative fee

CAREER PROSPECTS

In many different fields, there is a great interest in professionals with technical, design, and business skills. With a degree in this special computer science program you qualify for essentially any industry as every business is looking for experts in digitalization creating breakthrough innovation. As a graduate, you will therefore find jobs in many areas, e. g.:

- Industrial engineering and design
- Research and innovation
- Software development
- Media and business

Please note that the study schedule shown above is a simplified representation. You can find the detailed schedule, the module list as well as study and examination regulations in the Modulux database of the University of Applied Sciences Zwickau. >>>

