

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 or similar (for instance IELTS level 5); German A1
- personal statement (explanation of motivation to study)

Application period

- national applicants: until July 15th
- international applicants: until May 31st



WESTSÄCHSISCHE HOCHSCHULE ZWICKAU NUMBERS AND FACTS

500 150 INTERNATIONAL **PROFESSORS STUDENTS STUDENTS INTERNATIONAL** PARTNER **UNIVERSITIES COURSES OF STUDY** FIELDS OF STUDY **TECHNOLOGY** DEGREES **ECONOMICS** BACHELOR HEALTHCARE **GERMAN DIPLOM** LANGUAGES **APPLIED ARTS** MASTER

WESTSÄCHSISCHE HOCHSCHULE ZWICKAU Kornmarkt 1, 08056 Zwickau

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 Faculty Physikalische Technik / Informatik Tel.: +49 375 536-1501 www.fh-zwickau.de/pti



The University of Applied Sciences Zwickau is co-financed by taxes on the basis of the budget passed by the Saxon State Parliament.

We reserve the right to change all information in the sense of the further development of the range of courses.

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Full-Time Programme

INTERNET OF THINGS AND SMART SYSTEMS Taught in English





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.

As an IoT student, you will learn the technical and business fundamentals to develop innovative products. You will gain the skills to tailor these products to your customers and make them user-friendly by focusing on one of three areas: design and usability, business, or advanced programming skills. The best way to predict the future is to invent it! Degree: Master of Science (M.Sc.)
 Semester start: winter semester

Type of programme: full-time programme

S: No. of semesters/Credits: 4 Semester / 120 ECTS
Admission restriction: restricted entry
€ tuition fees: none



PERSPECTIVES

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

Semester

Master Project

- Research and innovation
- Software development
- Media and business

All courses are taught in English.

Semester

STUDY SCHEDULE / STRUCTURE OF DEGREE*

Project Management Human-Computer-Interaction and its Application to IoT Compensation Programming Digital Business Models (Specialization Business and Marketing) Introduction Autonomous Driving (Specialization Computer Science) Elective Courses & Language Training*

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

Semester

Semester

Interdisciplinary Project IoT Development IoT Architecture and Visualisation Advanced Topics Elective Courses & Language Training*

* Elective Courses: Computer Graphics and Virtual Environments, In-depth informatics topics for master, Machine learning applications, Information Systems, Car-to-Car Communication, Introduction into Computational Linguistics and Intelligent Text Processing

* Language Training: German (alternatives: Spanish, Portuguese, Intercultural Communication)

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