Internet of Things and Smart Systems (M.Sc.)

Westsächsische Hochschule Zwickau
University of Applied Sciences
HOCHSCHULE FÜR MOBILITÄT | UNIVERSITY FOR MOBILITY

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 the success of companies enabling completely 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!

Characteristics

degree	Master of Science (M. Sc.)
type of programme	full-time programme
semester start	winter semester
semesters / ECTS-Credits	4 semesters / 120 ECTS
modules	This degree consists of a variety of modules covering core topics like • Human-Computer Interaction, Artificial Intelligence, and IoT Development • specialised themes in Computer Science, Business and Marketing, and Design and Usability • strong emphasis on project work • language courses
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)
admission restriction	restricted entry (only a limited number of study places available)
application period	• German applicants: until July 15th • EU applicants: until June 15th • all other countries: until May 31st
tuition fees	only semester fee / no tuition fees
course language	English