

### Applying to study

Applicants with a German qualification:  
[www.fh-zwickau.de](http://www.fh-zwickau.de) > Studieninteressenten > Bewerbung

Applicants with a qualification from another country:  
[www.uni-assist.de](http://www.uni-assist.de)

### Required documents

- Leaving certificate and transcript of records (see website)
- Personal statement
- Proof of English (at B2 level)

### Prerequisites

A previous degree with at least 180 ECTS points in traffic engineering or relevant subject area

### Application deadlines

- Applicants with a German qualification: 31st August
- Applicants with a qualification from another country: 15th June

Applications will still be possible following this deadline, as long as there are spaces. Should you be interested, please contact us on +49 375 536-1184 or +49 375 536-1161.

Photos: Westsächsische Hochschule Zwickau/Helge Gerischer, Fotolia/envfx (S. 1),  
Stadt Zwickau/Gregor Lorenz (S. 6)  
WHZ, SKM, 03/2018

### Living & Studying in Zwickau



There are many reasons why you should choose us, here are just a few:

- Hands-on practical teaching
- Close working and cooperation with industries
- Latest, state-of-the-art equipment
- Opportunities for studying abroad and gaining an international degree
- Student accommodation at affordable prices
- Loans and grants available for studying (Bafög)
- A wealth of sport activities and cultural opportunities
- We cater for families (childcare, baby-changing facilities, etc.)

**Zwickau** is a culturally rich and diverse city at the gateway to the Ore Mountains (Erzgebirge) and is the birthplace of Robert Schumann. It also has a longstanding history of being a centre for trade and industry, in particular with the automotive industry.

### Further information for your degree and application

Please contact our department of academic affairs:

Tel.: +49 375 536-1184

Email: [studienberatung@fh-zwickau.de](mailto:studienberatung@fh-zwickau.de)

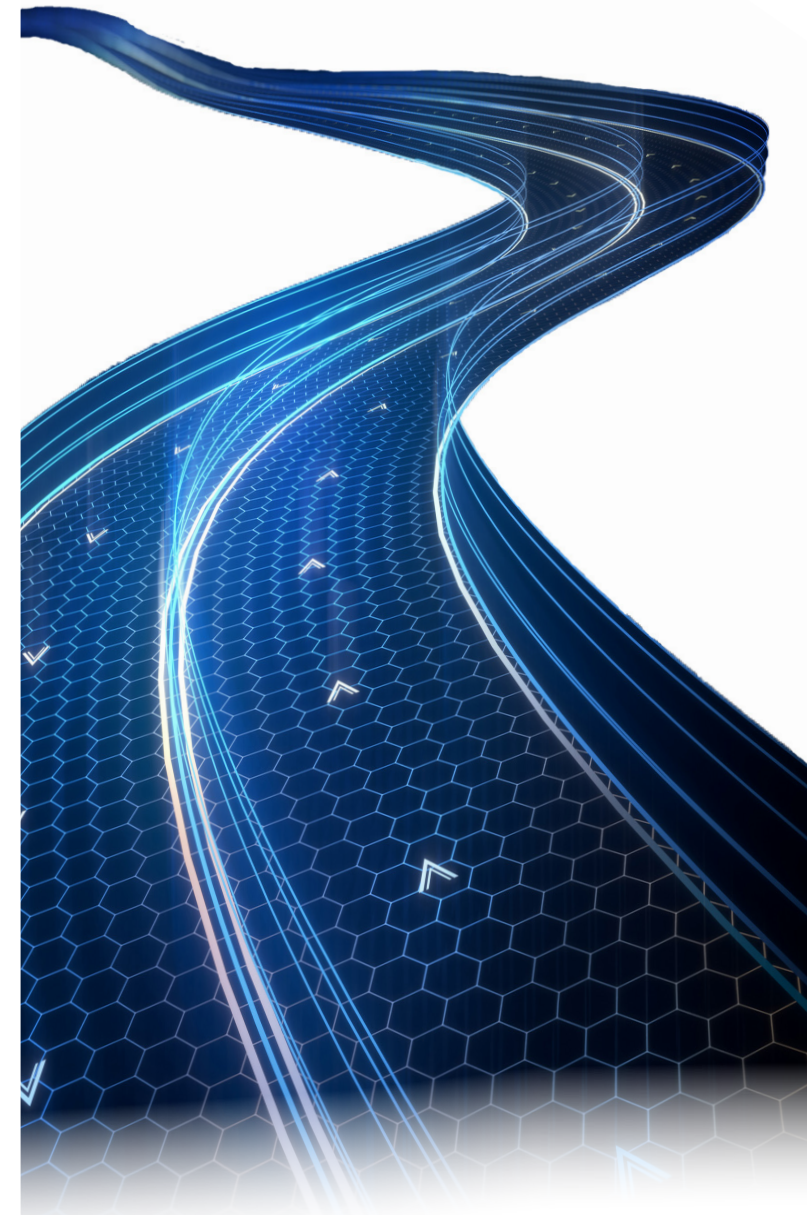
**Westsächsische Hochschule Zwickau**  
Dr.-Friedrichs-Ring 2a, 08056 Zwickau

[www.fh-zwickau.de](http://www.fh-zwickau.de)



**Westsächsische Hochschule Zwickau**  
University of Applied Sciences

### Road Traffic Engineering (Masters)





## Masters Programme Road Traffic Engineering in Zwickau

### Start/Tuition Fees

Winter Semester (beginning on 1st September), no tuition fees

### Number of Semesters

4 semesters (full-time)

### Degree

Master of Sciences (M.Sc.)

### Subsequent qualification options

Doctorate (PhD)

### About the Topic

Road traffic is an important factor for the world's economy. There is increasingly a lack of space for road expansion. Intelligent transport systems are necessary to keep the traffic flowing. There is a need for big data exchange: communication between infrastructure and driver, between infrastructure and vehicle and also between vehicles themselves. However, intelligent highway designs and accurate assessments of the traffic infrastructures are required before this can happen and autonomous driving can become a reality.

Accepting the need for road planning also plays an important role in implementing plans. More and more international road planning projects require experts who are able to speak foreign languages. With our integrated international double degree programme Road Traffic Engineering, we want to educate and train engineers who can design and operate the road transport systems of the future.

After completing the Masters, graduates will:

- be able to solve complex tasks in environmentally-friendly traffic-flow optimization and create plans for these
- be able to plan and design roads and traffic facilities, equipped with communication infrastructures
- be able to develop Intelligent Transport Systems (ITS)
- have practical experience, being able to put plans into practice
- have English language knowledge, enabling them to expertly manage international projects worldwide

Graduates can expect to work in national and international corporations, engineering firms, traffic and transport control centres, state-owned enterprises, government departments, and research institutes.

## Overview of the Degree

### 1st to 3rd semester

The first three semesters focus on intelligent road transport systems, traffic flow optimization, interaction vehicle-road and vehicle-vehicle, planning and designing road traffic facilities, traffic simulation, language knowledge and intercultural competence.

### The Masters Project

The Masters Project is undertaken in the 4th semester. WHZ students should work on a Masters thesis and carry out research in a scientific study, primarily in cooperation with a company or entity (turnaround: 18 weeks). Students will have access to the university laboratories.

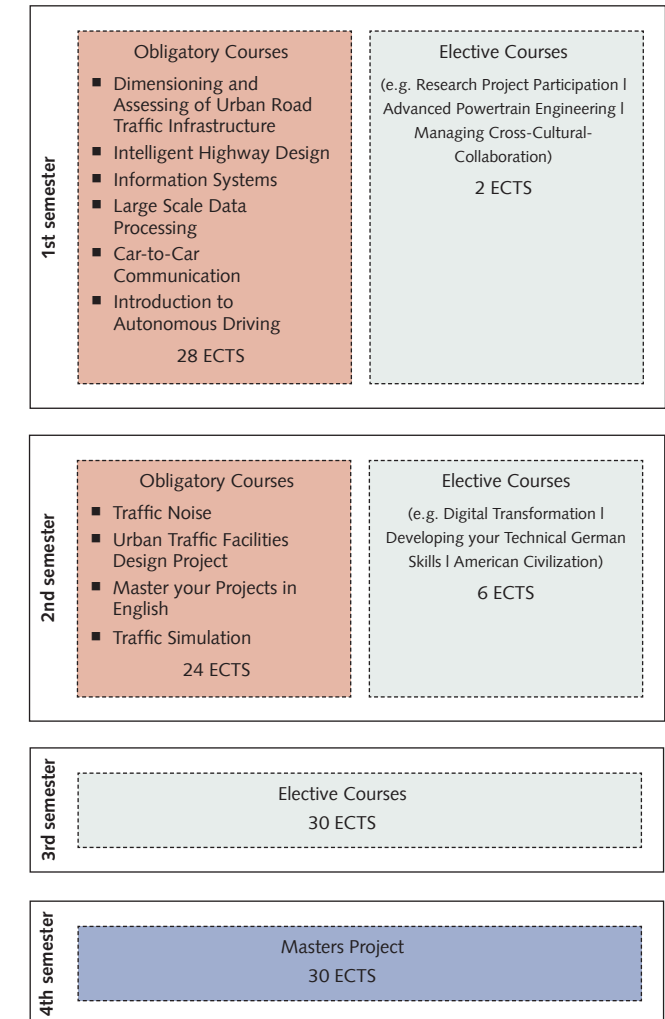


### For further information please contact us at:

Westfälische Hochschule Zwickau  
Institute of Energy & Transport Engineering  
Scheffelstraße 39, 08066 Zwickau  
Degree Programme Coordinator:  
Prof. Dr.-Ing. Andreas Schuster  
Phone: +49 375 536-3386  
Email: andreas.schuster@fh-zwickau.de



## Structure of the Degree



Courses subject to change.