

**STUDY REGULATION**  
for the  
**Master's Degree programme Road Traffic Engineering**  
at the Faculty of Automotive Engineering  
at the University of Applied Sciences  
Zwickau (WHZ)

**This document is for information only. The legally binding document is the  
Studienordnung in current version.**

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### **Preliminary remarks**

This is a translation, only the German version is legally binding.

According to Article 3 (2) of the German Constitution (Grundgesetz), women and men have equal rights. Gender-specific language that may occur in this regulation applies equally to women and men.

### **§ 1 Scope of this Regulation**

This study regulation applies to the Master's degree programme Road Traffic Engineering (deutsche Road Traffic Engineering) at WHZ. This document regulates on the basis of the examination regulations for the Master's degree programme Road Traffic Engineering, the objectives, content and structure of the course and recommends a chronological order for the study plan by which the Master's degree, as a further university degree qualifying for a profession, can be achieved within the standard period of study.

### **§ 2 Admission Requirements**

- (1) The Master's degree programme Road Traffic Engineering is a consecutive Master's degree programme .
- (2) Admission Requirements for the Master's programme Road Traffic Engineering are:
  1. A first professionally qualifying university degree in the field of transportation engineering or a field related to transportation engineering. The first professionally qualifying university degree must have at least 180 credit points, hereinafter referred to as ECTS points, according to the ECTS<sup>1</sup> - European Credit Transfer and Accumulation System. The equivalence of higher education qualifications and additional qualifications without ECTS credits and the possibilities of compensating for missing ECTS points are decided by the Examination Board of the Master's degree program Road Traffic Engineering on the basis of the submitted documents submitted.
  2. The presentation of the motives for taking up this degree program in the form of a letter of motivation in English or German.
  3. English written and spoken language proficiency at level B2. Language skills in German is recommended, but is not a prerequisite for admission. In uncertain cases, the examination board of the Master's degree programme Road Traffic Engineering decides on the basis of the submitted documents or on the basis of additional assessment.
- (3) The examination board decides on whether the admission requirements are met.

### **§ 3 Selection and Admission**

- (1) For admission to the Master's degree programme Road Traffic Engineering, the following documents must be submitted:
  - a. Application for admission with the enclosures required by the WHZ matriculation regulations

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<sup>1</sup> European Credit Transfer and Accumulation System

- b. Copy of proof of English language skills (except native speakers),
  - c. Signed letter of motivation to study,
- (2) Admission is granted by the WHZ Admissions Office. In case the number of applicants exceeds the available study places, the Admissions Committee of the Master's programme Road Traffic Engineering shall decide, taking into account the admission requirements according to § 2 of this study regulation and according to the suitability and performance of the candidate. A selection interview may be conducted.

#### **§ 4 Goal of the study**

The goal of the degree programme is to train a Master of Science, who is qualified to:

1. to work scientifically on complex tasks to optimize traffic flow and ensure safe and environmentally friendly road traffic management and to develop concepts for this,
2. the aim is to pay particular attention to the networking between vehicles and the road infrastructure and to support research in this area,
3. to work and research worldwide as an expert on the basis of appropriate linguistic, social and intercultural competence.

#### **§ 5 Structure and scope of the study program**

- (1) The study program is modular. Credit points are awarded according to the European Credit Transfer and Accumulation System (ECTS) – European system for transferring credits<sup>2</sup> The total of the Master's degree programme in Road Traffic Engineering amounts to 120 ECTS credits. One credit point corresponds to a workload of 30 hours.
- (2) The degree programme may be pursued on a full-time.
- (3) The standard duration of the master's degree programme Road Traffic Engineering, including the Master's project, consists of two/three/four semesters. [The standard period of study for the Master's degree programme Road Traffic Engineering in part-time form is four/six/eight semesters].
- (4) The subjects/modules and their recommended scheduling can be found in the study plan (Appendix). This includes all compulsory subjects [as well as elective-compulsory subjects].
- (5) Compulsory subjects and elective-compulsory subjects are obligatory for all students of the Master's degree programme Road Traffic Engineering. Elective-compulsory subjects are offered alternatively. No claim arises that all compulsory elective modules will be offered and carried out. The Faculty of Abkürzung der Fakultät ensures that a sufficient number of elective-compulsory subjects are offered.
- (6) ... {ggf. weitere studiengangsspezifische Festlegungen und Empfehlungen}

#### **§ 6 Study contents and learning formats**

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- (1) The study contents are defined by the subjects/modules. By resolution of the Faculty Council of Automotive Engineering, the subject descriptions for all subjects are defined as part of the course catalogue. The subject descriptions in the course catalogue contain the following information:
- Subject number
  - subject name
  - ECTS points
  - Teaching and learning methods
  - Workload
  - learning objectives
  - learning contents
  - proof of performance,

and can be found in appendix 2/3 of this study regulation.

{Bei der Vorlage neuer Studienordnungen müssen alle Modulbeschreibungen, bei Änderungssatzungen die geänderten Modulbeschreibungen mit vorgelegt werden!}

- (2) The learning formats of the Master's degree programme Road Traffic Engineering consist of
- Lectures
  - Seminar-like lectures / lectures with integrated exercises
  - Exercises
  
  - Seminars
  - Practice sessions

The amount of time in semester hours per week of the subjects, as well as the ECTS credits and the teaching language (provided that it deviates from the standard teaching language German), can be found in the study plans (see Appendix 1).

- (3) The subject descriptions contain further information, such as the prerequisites for participation, the awarding of ECTS credits, the frequency and the workload, including self-study, as well as the teaching language of the subject (provided that it deviates from the standard teaching language German).

## **§ 7 Study counselling**

- (1) The general student counselling is provided by the WHZ Department of Student Affairs in cooperation with the WHZ International Office. The academic counselling covers questions of study aptitude as well as information about study opportunities, study content, study structure and study requirements.
- (2) The academic and subject-related study counselling lies in the responsibility of the Faculty of engl. Automotive Engineering. It is provided by the lecturers and the student advisory service at the Dean's office. Above all, the academic counselling helps students with questions regarding the organizing of studies.
- (3) It is recommended that students make use of the academic student counselling service in the following cases in particular:
1. at the beginning of the studies,
  2. during the organization and planning of the studies,
  3. difficulties during studies
  4. before and after a longer interruption of studies,

5. in case of failure of an examination,
  6. before discontinuation of studies.
- (4) Students who have not taken any examinations by the beginning of the third semester should participate in a study counselling session during the third semester.