

Regulations for assessing the aptitude for the consecutive Master's degree program Transportation Economics and Data Science (Transportation Economics and Data Science Aptitude Assessment Regulations)

As of February 12, 2026

On the basis of § 14 para. 4 and § 18 para. 11 of the Saxon Higher Education Act (SächsHSG) in the version published on May 31, 2023 (SächsGVBl. p.329), last amended by Article 2 of the Act of January 31, 2024 (SächsGVBl. p. 83), the Faculty Board of the "Friedrich List" Faculty of Transport and Traffic Sciences of TUD Dresden University of Technology issued the following Aptitude Assessment Regulations as a statute, which has been approved by the University Executive Board:

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§ 1

Scope of application

These regulations determine how the fulfillment of the special admission requirements are to be assessed (aptitude assessment) for the consecutive Master's degree program Transportation Economics and Data Science at TUD Dresden University of Technology, based on the provisions of the Saxon Higher Education Act in the applicable form.

§ 2

Admission requirements

Pursuant to § 3 of the Study Regulations for the consecutive Master's degree program Transportation Economics and Data Science, an applicant is qualified and therefore entitled to admission if they:

Can provide evidence of a first university degree recognized in Germany that qualifies them for a specific profession, or a degree from a state-recognized vocational academy in the field of Transport and Traffic Sciences or Business Administration and Economics, or from a STEM field (mathematics, information technology, natural sciences and technology) or a degree in another degree program with a strong quantitative orientation in terms of content,

Can prove particular aptitude for the consecutive Master's degree program Transportation Economics and Data Science according to § 5 and

Have knowledge of English at B2 level according the Common European Framework for Language.

§ 3

Admissions Committee

The Dean of the "Friedrich List" Faculty of Transport and Traffic Sciences shall appoint an Admissions Committee for the respective application period on the recommendation of the Academic Affairs Committee. As a rule, this committee shall consist of at least two university lecturers from the relevant department. The Admissions Committee shall decide on whether the admission requirements pursuant to § 2 have been fulfilled and decide on appeals against decisions made as part of this procedure. In addition, the Admissions Committee is responsible for the development and publication of the application form in accordance with § 4 para. 2 no. 1.

§ 4

Application and deadlines

(1) The application form for participation in the aptitude assessment procedure according to these regulations must be submitted in writing together with the formal application documents for enrollment to the following address within the following deadlines:

Applicants with a university degree obtained in Germany (entrance qualification for a Master's degree) must apply to the following office:

- a) Applicants with German citizenship are to submit their application to the following address:
TUD Dresden University of Technology
"Friedrich List" Faculty of Transport and Traffic Sciences
Admissions Committee of the Master's degree program Transportation Economics and Data Science
Helmholtzstraße 10
01069 Dresden, Germany
Germany

- b) Applicants with non-German citizenship are to submit their application to the following address:
TUD Dresden University of Technology
Unit 8.3 International Office
Helmholtzstraße 10
01069 Dresden, Germany
Germany

Applicants with a university degree obtained outside Germany (entrance qualification for a Master's degree program) must apply via uni-assist.

Applicants with citizenship outside the EU who have obtained their university degree (entrance qualification for a Master's degree program) at a non-German university must apply for the winter semester by May 31. All other German and international applicants must apply for the winter semester by July 15.

- (2) The following documents must be enclosed with the application:

Application form to determine the applicant's aptitude for the consecutive Master's degree program Transportation Economics and Data Science

Copy of the applicant's first university degree qualifying them for a profession (degree certificate) in accordance with § 2 para. 1 no. 1,

Copies of additional certificates and proof demonstrating any special aptitude in accordance with § 5,

Proof of the required English language skills pursuant to § 2 para. 1 no. 3 by means of a relevant examination certificate or language certificate.

- a) A general or subject-specific university entrance qualification certificate that serves as evidence of having learned English as a foreign language from grades 5 to 12,
- b) Certificate of the university entrance qualification completed entirely in English or certificate of a higher education degree completed entirely in English, or
- c) English language certificates, such as TOEFL (at least 72) or IELTS (at least 5.5).

(3) Applications that are not received in full, in due form or on time will be excluded from any further proceedings.

(4) If, at the time of application, proof of the first university degree qualifying the applicant for a profession (degree certificate) in accordance with para. 2. no. 2 is not yet available, the applicant will also be included in the aptitude assessment procedure in accordance with these regulations if the applicant can prove that they have already obtained 80 percent of the credit points available for the university degree. As proof of this, the applicant must submit a copy of a corresponding certificate from their university. The necessity of submitting all other evidence mentioned in para. 2 alongside the application and para. 3 remain unaffected by this.

§ 5

Proof and assessment of special aptitude

(1) The special aptitude for the consecutive Master's degree program Transportation Economics data science according to § 2 para. 1 no. 2 is granted if the acquisition of at least 60 ECTS credits from the subject areas business administration, economics and advanced quantitative methods from Statistics, Econometrics, Operations Research, Programming, Data Analytics, which do not overlap in content, is proven. The following must be submitted as proof:

at least 15 ECTS credits in the field of Economics, including at least 6 ECTS credits in Microeconomics;

at least 20 ECTS credits in the field of Advanced Quantitative Methods, including at least 6 ECTS credits in Statistics and 4 ECTS credits in the subject group of operations research, optimization, and programming;

At least 15 ECTS credits in the field of Business Administration.

(2) If a total of more than 30 ECTS credits of non-overlapping content have been earned in the field of Advanced Quantitative Methods, the required credits for Business Administration may be reduced by up to 10 ECTS credits and the required credits for Economics may be reduced by up to 5 ECTS credits to the same extent.

(3) The minimum number of ECTS credits to be demonstrated in Advanced Quantitative Methods can be reduced to a minimum of 15 ECTS credits if an equal number of ECTS credits can be demonstrated for Traffic, Transportation and Logistics.

(4) The Admissions Committee shall examine whether proof of aptitude has been provided on the basis of the documents enclosed with the application, in particular, the documents pursuant to § 4 para. 2 no. 3, but only if the admission requirements pursuant to § 4 para. 2 nos. 1 and 3 have been fulfilled. If aptitude has not already been established from the applicant's documents, an assessment interview will be held by the Admissions Committee in accordance with § 6.

§ 6

Assessment interview

(1) The aim of the assessment interview is to determine and confirm whether the applicant possesses the required knowledge and skills in accordance with § 5 para. 1.

(2) The assessment interview shall take place in a uniformly structured form and shall not last any longer than 30 minutes.

(3) The invitation to the interview shall be issued in good time in written form by the Admissions Committee in accordance with § 3, but at least one week before the date of the assessment interview.

(4) A member of the Admissions Committee shall draw up minutes of the essential content of the assessment interview, which shall also include the participants, the duration and the result of the interview. The identity of the applicant is also verified during the assessment interview.

(5) If the applicant does not attend the assessment interview on the fixed, arranged date, they have no right to be automatically granted an alternative date.

(6) If the applicant can credibly demonstrate that they are not in a position to participate in the assessment interview in the intended form due to a long-term or permanent physical disability or chronic illness, the Admissions Committee shall offer them an alternative form for determining their aptitude.

(7) If an applicant can credibly demonstrate that they are not in a position to participate in the aptitude test in the intended form because they are abroad at that time, the Admissions Committee shall offer them an alternative form for determining their aptitude.

(8) The aptitude interview can be conducted on site at TUD Dresden University of Technology or online upon request.

§ 7

Notification of aptitude

(1) If the applicant demonstrates the required aptitude according to § 2, they will receive a notification of aptitude from the Admissions Committee after completion of the procedure by August 15 of the respective year. The notification of aptitude is to be presented to the Unit 8.2 Admissions Office or Unit 8.3 International Office of TUD Dresden University of Technology and is the required form of proof in order to be admitted to the Master's degree program. It is a prerequisite for enrollment in the consecutive Master's degree program Transportation Economics and Data Science.

(2) If the applicant cannot prove the required aptitude according to § 2, the Admissions Committee will issue a notice of rejection, including instructions on how to appeal.

(3) If the applicant is unable to present the successful completion of the university degree required in accordance with § 2 para. 1 no. 1 to Unit 8.2 Admissions or Unit 8.3 International Office by the end of the enrollment period, only temporary enrollment will be granted. The duration of this temporary enrollment will be determined by Unit 8.2 Admissions Office. It is usually one semester.

§ 8

Expiry

The Regulations for assessing the aptitude for the consecutive Master's degree program Transportation Economics (Aptitude Assessment Transportation Economics of February 13, 2025 (Official Announcements of TU Dresden No. 2/2025 of March 24, 2025, p. 37) shall cease to apply.

§ 9

Entry into force

These Aptitude Assessment Regulations shall enter into force one day after their publication in the Official Announcements of TU Dresden.

The above regulations hereby formally issued. They shall be published in the official announcements of TU Dresden.

Dresden, February 12, 2026

The Rector
of TUD Dresden University of Technology

Prof. Ursula M. Staudinger