

**Regulations for determining aptitude for the Master's degree program  
Hydro Science and Engineering  
(Aptitude Assessment Regulations Hydro Science and Engineering)**

as of December 17, 2019

Based on § 13 para. 4 and § 17 para. 10 of the Act on the Autonomy of Institutions of Higher Education in the Free State of Saxony (*Sächsisches Hochschulfreiheitsgesetz - SächsHSFG*) in the version of the announcement of January 15, 2013 (*SächsGVBl. p. 3*), last amended by Article 11 of the Act of April 29, 2015 (*SächsGVBl. p. 349, 354*) Technische Universität Dresden issues the following Aptitude Assessment Regulations as statutes:

**Table of contents**

- § 1 Scope of application
- § 2 Admission requirements
- § 3 Admissions Committee
- § 4 Application and deadlines
- § 5 Proof and determination of special aptitude
- § 6 Assessment interview
- § 7 Notification of aptitude
- § 8 Entry into force and publication

## **§ 1**

### **Scope of application**

These regulations determine how the fulfilment of the special admission requirements are to be assessed (aptitude assessment) for the consecutive, research-oriented, international Master's degree program Hydro Science and Engineering at Technische Universität Dresden, based on the provisions of the applicable Act on the Autonomy of Institutions of Higher Education in the Free State of Saxony.

## **§ 2**

### **Admission requirements**

(1) Pursuant to § 3 of the study regulations for the Master's degree program Hydro Science and Engineering, every applicant who has the required aptitude (qualification) for the Master's degree program Hydro Science and Engineering is admitted to the program.

(2) Qualified and therefore entitled to admission within the meaning of para. 1 is anyone who:

1. can provide evidence of a first qualifying university degree recognized in Germany in a natural science degree program such as hydrology, meteorology, geography, geology, chemistry, biology, or in an engineering degree program such as water management, civil engineering, waste management and contaminated sites, landscape architecture, forestry and agricultural engineering, environmental engineering or a related course of study with at least six semesters of standard study time;
2. demonstrates proficient command of the English language at level C1 of the Common European Framework of Reference for Languages,
3. provides proof of special subject knowledge that qualifies them to study in the Master's degree program Hydro Science and Engineering in accordance with § 5.

(3) Admission and enrollment in the Master's degree program Hydro Science and Engineering is carried out by the Admissions Office / International Office of TU Dresden in accordance with the applicable enrollment regulations, the provisions of which remain unaffected by the provisions of these regulations. Prerequisite for admission to the Master's degree program Hydro Science and Engineering is proof of the required aptitude according to these regulations.

## **§ 3**

### **Admissions Committee**

(1) The Dean of the Faculty of Environmental 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 the chairperson of the examination board, a university lecturer and a research assistant from the relevant department. Upon request, a student representative can be called in as a non-voting member of the Admissions Committee for the aptitude assessment interview.

(2) The Admissions Committee shall decide on whether the admission requirements pursuant to § 2 have been fulfilled, invite applicants to an assessment interview if necessary, 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 form for determining the candidates aptitude according to these regulations is part of the formal application documents for enrolment and must be submitted in due time and in accordance with the form.

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

Technische Universität Dresden  
Department of Hydro Sciences  
Master Course Hydro Science and Engineering  
01062 Dresden  
Germany

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

2. Applicants with citizenship outside the EU who have obtained their university degree (entrance qualification for a Master's) 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 June 30.

(2) The following documents are to be enclosed with the application:

1. Formal application to determine aptitude for the Master's degree program in Hydro-Science and Engineering,
2. Officially certified copy of the first qualifying university degree in German or English and, if applicable, officially certified copy of the translation of the first qualifying university degree in German or English,
3. Officially certified copies of additional certificates and proof of the study and examination achievements in German or English language, which prove the required aptitude according to § 5,
4. Proof of sufficient knowledge of English in accordance with § 2 para. 2 no. 2, for example by means of a certificate of general or subject-linked university entrance qualification with an advanced course completed in English, a certificate of a university entrance qualification completed entirely in English or a certificate of a university degree completed entirely in English, as well as an English certificate (for example TOEFL, IELTS, UNIcert®),
5. A curriculum vitae in tabular form, written in English, outlining the educational and professional background,
6. A statement of motivation ('letter of motivation') written in English.

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

The prerequisite is that 80% of the credit points attainable for the university degree have already been proven based on completed module examinations or the graduation thesis and, if applicable, the colloquium by means of certification from the awarding university. As proof of this, the applicant must submit a corresponding certificate from their university in the original or as an officially certified copy. The necessity of submitting all other evidence mentioned in paragraphs 2 and 3 alongside the application remain unaffected by this.

## **§ 5**

### **Proof and determination of special aptitude**

- (1) The special aptitude for the Master's degree program Hydro Science and Engineering according to § 2 para. 2 no. 3 is given if proof of sound knowledge (a total of at least 80 credit points) in the fields of mathematics, computer science and related subjects such as statistics, hydro-informatics or geo-informatics, physics, chemistry, biology and related subjects such as hydro-chemistry or hydro-biology, as well as in the natural, engineering or environmental science fields such as hydrology, meteorology, hydromechanics, hydraulic engineering, water management, groundwater management, water quality, waste management or recycling management, remediation technology, soil science, geology, geography or agriculture and forestry has been provided.
- (2) The Admissions Committee shall first examine whether proof of suitability has been provided on the basis of the documents enclosed with the application, in particular, the documents pursuant to § 4 para. 2, but only if the admission requirements pursuant to § 2 para. 2 nos. 1 and 2 have been fulfilled. If the 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 whether the knowledge, skills or abilities required in accordance with § 5 para. 1, which provide information about the applicant's suitability, are available.
- (2) The assessment interview shall take place in a uniformly structured form and shall not last 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 two weeks 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 verified in the interview by official photo identification.
- (5) If the applicant does not attend the assessment interview on the fixed date, they have no right to be granted an alternative date. If the applicant has taken part in the assessment interview but has not been able to provide proof of aptitude in accordance with § 4 para.2 no. 3, the assessment interview can be repeated the following year upon application by the applicant. The application must be submitted within the period specified in 4 para. 1.

(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 aptitude. For this purpose, the applicant may be required to submit a medical certificate and, in cases of doubt, an official medical certificate.

(7) If it is not possible for an international applicant to pass the assessment interview in the intended form due to reasons for which they are not personally responsible, the Admissions Committee shall offer them an alternative form for determining aptitude.

## **§ 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. The notification of aptitude is to be presented to the Admissions Office / International Office of TU Dresden and is the required form of proof in order to enter the Master's program. It is a prerequisite for enrollment in the Master's program in Hydro Science and Engineering.

(2) If the applicant cannot prove the required aptitude according to § 2, the Admissions Committee will also issue a written decision on this to the Admission Office / International Office, which must be accompanied by 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. 2 no. 1 to the Admissions Office / International Office by the end of the enrollment period, only temporary enrollment will be granted. The duration of his temporary enrollment is determined by the Admissions Office. It is usually for one semester.

## **§ 8**

### **Entry into force and publication**

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

Issued based on the resolution of the Faculty Board of the Faculty of Environmental Sciences of Technische Universität Dresden as of November 25, 2019, and the approval of the University Executive Board as of December 10, 2019.

Dresden, December 17, 2019

The Rector  
of Technische Universität Dresden

Prof. Dr.-Ing. habil. DEng/Auckland Hans Müller-Steinhagen