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Technische Universität Dresden  
Faculty of Physics

## **Regulations for assessing the aptitude for the consecutive Master's degree program in Sustainable Electronics and Photonics (Aptitude Assessment Regulations for Sustainable Electronics and Photonics)**

as of March 4, 2026  
(translated version)

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) TU Dresden issues the following aptitude assessment regulations as statutes:

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## **§ 1 Scope**

These Regulations determine how the fulfillment of the admission requirements are to be assessed (aptitude assessment) for the consecutive Master's degree program in Sustainable Electronics and Photonics at TU Dresden, based on the provisions of the applicable Saxon Higher Education Act.

## **§ 2 Admission requirements**

According to § 3 of these Study Regulations for the consecutive Master's degree program in Sustainable Electronics and Photonics, applicants are qualified for the program and thus eligible for admission if they can demonstrate that they meet the following requirements:

1. a first university degree recognized in Germany as qualifying for professional practice, or a degree from a state or state-recognized vocational academy in a scientific or engineering field.
2. proficiency in English at level C1 of the Common European Framework of Reference for Languages (CEFR) and,
3. special aptitude for studying in the consecutive Master's degree program in Sustainable Electronics and Photonics in accordance with § 5.

## **§ 3 Admissions Committee**

The Dean of the Faculty of Physics will appoint an Admissions Committee for the respective application period on the recommendation of the Academic Affairs Committee. As a rule, this committee will consist of two university lecturers from the relevant department. The Admissions Committee will 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 formal application form in accordance with § 4 para. 2 no. 1.

## **§ 4 Application and deadlines**

(1) The application form for assessing the special aptitude is part of the formal application documents for enrollment 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 office:

- a) Applicants with German citizenship are to submit their application to the following address:  
TU Dresden  
Faculty of Physics  
Admissions Committee for the Master's degree program in Sustainable Electronics and Photonics  
Helmholtzstraße 10  
01069 Dresden  
Germany

b) Applicants with non-German citizenship are to submit their application to the following address:

TU Dresden  
International Office  
Helmholtzstraße 10  
01069 Dresden  
Germany

2. Applicants with a university degree obtained outside Germany (entrance qualification for a Master's degree program) must apply via uni-assist.
3. Applicants with citizenship outside the EU who have obtained their university degree (entrance qualification for a Master's degree) 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:

1. Formal application to determine aptitude for the consecutive Master's degree program in Sustainable Electronics and Photonics,
2. Copy of the first degree certificate (including Transcript of Records and Diploma Supplement) or a summary of credits issued by the relevant Examination Office with all academic and examination credits completed so far. If these documents are not available in English or German, an official German or English translation must also be submitted,
3. Copies of additional certificates and proofs demonstrating any special aptitude in accordance with § 5 para.1. If these documents are not available in English or German, an official German or English translation must be submitted.
4. an English-language CV in tabular form including a description of education so far,
5. Proof of the required English language skills in accordance with § 2 number 2 in the form of
  - a) a copy of a general or subject-specific university entrance qualification certificate with a proven language level of C1 (CEFR),
  - b) a certificate for a university entrance qualification completed entirely in English, or a certificate of a university degree completed entirely in English,
  - c) results of an internationally recognized test such as IELTS: minimum score of 7.0, TOEFL internet-based: minimum score of 95 points.

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

(4) If, at the time of application, the applicant does not yet have proof of the first university degree recognized in Germany as qualifying for professional practice, (degree certificate) in accordance with paragraph 2, number 2, the applicant will still be included in the aptitude assessment procedure in accordance with these regulations if 80 percent of the credit points achievable through the university degree have already been obtained, as certified by the university of origin. 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 para. 2 and 3 alongside the application remain unaffected by this.

## **§ 5**

### **Proof and assessment of special aptitude**

(1) The special qualification for the consecutive Master's degree program in Sustainable Electronics and Photonics according to § 2 number 3 is given if the proof has been provided in relevant modules that the applicant has sound specialized knowledge

1. of the fundamentals of physics in the subject areas of mechanics, thermodynamics, electromagnetism, optics, quantum physics, and solid-state physics,
2. of the fundamentals of general and inorganic chemistry or physical chemistry, and
3. the mathematical fundamentals associated with 1. and 2.

(2) The Admissions Committee will first 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, but only if the admission requirements pursuant to § 2 para. 2 no. 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 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 longer than 30 minutes.

(3) The aptitude interview shall be conducted in person or in a suitable online format. At least two members of the Admissions Committee shall participate in the interview, whereby one of the members of the Admissions Committee must be a university professor or a qualified lecturer.

(4) The invitation to the interview shall be issued in good time in writing by the Admissions Committee in accordance with § 3, but at least one week before the date of the assessment interview. Costs that the applicant incurs cannot be reimbursed.

(5) A written record of the main content of the aptitude interview shall be prepared, which shall also state the participants, the duration and the result of the interview. The identity of the applicant is verified in the interview by official photo identification.

(6) If the applicants do not attend the assessment interview on the agreed date, they are not entitled to an alternative date.

(7) 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 student may be required to submit a medical certificate and, in cases of doubt, an official medical certificate by a public health officer (*Amtsarzt*).

## **§ 7**

### **Notification of aptitude**

(1) If the applicant demonstrates the required aptitude according to § 5, they will receive a notification of aptitude from the Admissions Committee. Applicants shall receive the notification of eligibility in electronic form (e.g. by email as a PDF document attachment). The notification of aptitude is to be presented to the Admissions Office or the International Office of TU Dresden 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 in Sustainable Electronics and Photonics.

(2) If the applicant is unable to demonstrate the required aptitude in accordance with § 5, the Admissions Committee will also issue a notification to that effect, which must be accompanied by instructions on the right of appeal and sent in electronic form (e.g. by email as a PDF document in the attachment).

(3) If the applicant is unable to present the successful completion of the university degree required in accordance with § 2 no. 1 to the Admissions Office or 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 the Admissions Office or the Unit International Affairs. Usually, it is one semester.

## **§ 8**

### **Expiry**

The Regulations for assessing the aptitude for the consecutive Master's degree program in Organic and Molecular Electronics (Aptitude Assessment Regulations Organic and Molecular Electronics of February 9, 2019 (Official Announcements of TU Dresden No. 2/2019 of March 4, 2019, p. 27) shall cease to apply.

## **§ 9**

### **Entry into force**

The Aptitude Assessment Regulations Sustainable Electronics and Photonics shall enter into force one day after their publication in the Official Announcements of the TU Dresden.

The above regulations are accordingly issued. This is to be published in the TU Dresden Official Announcement.

Dresden, March 4, 2026

The Rector  
of Technische Universität Dresden

Prof. Ursula Staudinger