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Technische Universität Dresden
Faculty of Biology

**Regulations for determining aptitude for the consecutive
Master's degree program Molecular Biosciences and Productive Biosystems
(Aptitude Assessment Regulations Molecular Biosciences and
Productive Biosystems)**

as of July 16, 2024
(translated version)

Based on § 14 para. 4 and § 18 para. 11 of the Act on the Autonomy of Institutions of Higher Education in the State of Saxony (*Sächsisches Hochschulgesetz - SächsHSG*) in the version of the announcement of May 31, 2023 (SächsGVBl. p. 329), last amended by Article 2 of the Act of January 31, 2024 (SächsGVBl. p. 83), 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, expiry, and publication

§ 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 Molecular Biosciences and Productive Biosystems 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) Admission to the consecutive Master's degree program Molecular Biosciences and Productive Biosystems is open to all applicants who have the required entrance qualification according to § 3 of the study regulations as well as a special qualification.

(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 or a qualification from an officially recognized vocational academy in a natural science field such as biology, biotechnology or life sciences or in a closely related degree program such as biochemistry or biophysics,
2. demonstrates proficient command of the English language at the advanced level B2 of the Common European Framework of Reference for Languages,
3. provides proof of special knowledge of genetics, molecular biology and microbiology in accordance with § 5, and
4. demonstrates sufficient motivation for the degree program in accordance with § 5.

§ 3

Admissions Committee

The Dean of the Faculty of Biology 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 three university lecturers from the institutions primarily responsible for teaching in the degree program. 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 candidate's aptitude according to these regulations 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 address:

- a) Applicants with German citizenship are to submit their application to the following address:
 Technische Universität Dresden
 Faculty of Biology
 Zugangsausschuss Molecular Biosciences and Productive Biosystems
 01062 Dresden
 Germany
 - b) Applicants with foreign citizenship are to submit their application to the following address:
 Technische Universität Dresden
 International Office
 01062 Dresden
 Germany
2. Applicants with a university degree obtained outside Germany (entrance qualification for a Master's degree) must apply via uni-assist e.V.
 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 together with the documents for the summer semester by October 31. All other German and international applicants must submit the documents for the summer semester by December 10. For the winter semester, the documents must be submitted by July 31.

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

1. Formal and completed application to determine aptitude for the consecutive Master's degree program Molecular Biosciences and Productive Biosystems in English,
2. Copy of the first degree qualifying the applicant for a profession (university or vocational academy),
3. Module descriptions of relevant modules as well as copies of additional certificates and proof demonstrating any special aptitude in accordance with § 5 para. 1 no. 1, e.g. certificates of vocational training relevant to the degree program, voluntary internships or similar activities that are related to the intended degree program,
4. Proof of English language skills at the advanced level B2 of the Common European Framework of Reference for Languages in accordance with § 2 para. 2 no. 2. Proof should be provided using a relevant certificate or language certificate. This can take the form of:
 - a) A certificate of a general or subject-linked university entrance qualification with an advanced course completed in English,
 - b) 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
 - c) The following English certificates (listed as examples): TOEFL (79 internet-based), IELTS (6.5), UNICert II.
5. Descriptions (or comparable content summaries) of completed coursework that may be considered prerequisites for participation in the modules "Physiological Concepts of Microbe Cultivation", "Microbial Expression Hosts and Protein Production", and "Microbial Ecology of Fungi and Protists",
6. A curriculum vitae in tabular form, written in English, outlining the educational and professional background,
7. A motivation letter in English that convincingly explains the desire to study and the individual's particular aptitude and qualifications,
8. At least one personalized, signed letter of recommendation justifying the applicant's particular aptitude for the Master's program in Molecular Biosciences and Productive Biosystems.

(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 para. 2 and 3 alongside the application remain unaffected by this.

§ 5

Proof and determination of special aptitude

(1) The special aptitude for the consecutive Master's degree program in Molecular Biosciences and Productive Biosystems according to § 2 para. 2 no. 3 and 4 is given if:

1. Study Achievements in the
 - a) theoretical basics of genetics, molecular biology and microbiology have been completed with at least a good grade or at least 75% of the maximum number of points have been achieved,
 - b) practical basics of genetics, molecular biology and microbiology have been demonstrated by an experimental research project of at least 10 CP and the relevant practical experience acquired in the process has been presented as well as
2. a high motivation for the field of study for the Master's degree program have been sufficiently demonstrated.

(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 nos. 3 and 7, 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.

(5) If the applicant does not attend the assessment interview on the fixed date, they have no right to be 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 aptitude.

(7) If an applicant can credibly demonstrate that they are not in a position to participate in the assessment interview in the intended form from abroad, 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 consecutive Master's degree program Molecular Biosciences and Productive Biosystems.

(2) If the applicant cannot prove the required aptitude according to § 2, the Admissions Committee will also issue a written decision on this, 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 this temporary enrollment will be 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. The Regulations on the Aptitude Assessment for the consecutive Master's degree program in Molecular Biosciences and Productive Biosystems of August 3, 2022 (Official Announcements of TU Dresden No. 07/2022 of September 28, 2022, p. 123) shall cease to apply.

Issued based on the resolution of the Faculty Board of the Faculty of Biology as of June 5, 2024, and the approval of the University Executive Board as of July 2, 2024.

Dresden, July 16, 2024

The Rector
of Technische Universität Dresden

Prof. Dr. Ursula M. Staudinger