



**Admissions statutes of Ulm University for the
consecutive English-taught master's programme in
"Energy Science and Technology"
of 28 February 2018**

Based on §§ 63 (2), 60 (2) no.2, 59 (1) LHG (*Landeshochschulgesetz* - federal state higher education act Baden-Württemberg) in the version of article 1 of the third law on changes to higher education regulations (*Drittes Hochschulrechtsänderungsgesetz*- 3. HRÄG) of 1 April 2014 (law gazette no. 6, p 99ff) last amended by article 2 of the law of 7 November 2017 (law gazette no. 22, p. 584ff), the Senate of Ulm University adopted the following statutes on 21 February 2018.

Preliminary remark on language use

According to Article 3 (2) Basic Law, men and women have equal rights; all male designations of persons and positions used in these regulations apply equally to men and women.

§ 1 Scope of application

Ulm University allocates the first-semester places in its master's programme in "Energy Science and Technology" according to the following provisions.

§ 2 Deadline and form

- (1) Students are admitted once per year to the respective winter semester. Ulm University must receive the application for admission to the winter semester by 15 March of the respective year. The provisions related to admission procedures in general as stated in the admissions and enrolment statutes of Ulm University remain unaffected and are applied.
- (2) To apply for admission an online application form must be filled in and transferred electronically to Ulm University by the deadline indicated in paragraph 1 above unless an electronic application would impose hardship on the applicant. Hardship is given where the applicant can credibly demonstrate that they were not able to or limited in their ability to use electronic data transfer for reasons beyond their control.
- (3) Ulm University must have received the signed online form and all documents listed on the form by the deadline indicated in paragraph 1 above.
- (4) The following documents must be submitted together with the application as single copies:
 - a) proof of compliance with the requirements listed in § 3,
 - b) statement declaring whether the applicant has lost their right to examination in the master's programme in Energy Science and Technology or any other study programme with essentially the same content at any German university. The subject-specific study and examination regulations indicate which study programmes have essentially the same content and are thus deemed to be related;
 - c) A written report (in English) in which applicants state their personal and subject-related reasons for applying for the chosen study programme and in which they explain their choice

of programme (letter of motivation).

- d) Copies of certificates and other documents demonstrating the applicant's previous career. This may, in particular, be proof of vocational training and/or practical work as well as any previous studies allowing conclusions about the applicant's aptitude for this programme;
 - e) Two letters of recommendation from the higher education institution where the degree qualifying for admission to this master's programme was awarded.
- (5) Where such proof is not in German or English, an official translation into German or English is required.

§ 3 Entrance requirements

(1) Entrance is subject to the following requirements:

- a) proof of a bachelor's degree in Chemistry, Chemical Engineering, Electrical Engineering, Materials Science, Physics or any other study programme with essentially the same content at any higher education institution in Germany or abroad awarded after completion of a minimum of three years of study;
- b) studies corresponding to a minimum of 12 courses (with approx. 3 semester credit hours as is common internationally) or equivalent competencies from their respective specialisation in their previous studies;
- c) studies corresponding to a minimum of 2 courses (with approx. 3 semester credit hours as is common internationally) in mathematics and physics, or equivalent competencies;
- d) proof of basic competencies in the fields of natural sciences, chemistry or engineering as stated in Annex 1. Such competencies can be demonstrated through corresponding modules and courses from bachelor's or equivalent studies. If such competencies cannot be demonstrated through bachelor's or equivalent studies, successful completion of the preparatory course (*Propädeutikum*) for the English-taught master's programmes at Ulm University serves as proof.

The preparatory course is deemed to have been passed if the final examination on completion of the preparatory course was passed. Admission to the final examination of the preparatory course is subject to a minimum of 80 % attendance during the practical part of the preparatory course. In exceptional cases, a methods assessment may replace attendance during the practical part. If neither the practical part of the preparatory course nor the methods assessment is proven to have been passed, the admissions committee may, in exceptional cases, admit the applicant subject to further conditions. Methods assessment and final examination may each be repeated once.

Admission to the master's programme is conditional on the successful completion of the preparatory course. If this proof is not submitted, admission to the master's programme becomes invalid. Alternatively, proof of successful completion of the preparatory course can also be provided by fulfilling the conditions tied to admission to the master's programme. For this, a new letter of admission must be issued.

- e) Proof of an adequate command of English at level C 1 of the Common European Framework of Reference for Languages (CEF). This proof may be
 - 7.0 points or more in the International English Language Testing System (IELTS); if both IELTS score and Common European Framework (CEF) level are indicated,

the higher language level is considered,

- First Certificate in English (A), Certificate in Advanced English (A-C) or Certificate of Proficiency in English (A-C) in Cambridge exam,
- 490 (listening), 455 (reading), 200 (speaking) and 200 (writing) points or more in the Test of English for International Communication (TOEIC),
- 95 points or more in the Test of English as a Foreign Language internet-based (TOEFL iBT),
- level III or level IV of the UNICert®,
- level CEF C 1 or higher as shown on, e.g., the higher education entrance qualification. Any level of language proficiency which is in parts on and in parts lower than level CEF C1 is not recognised, or
- any examination achievement passed at a higher education institution from the field of English language teaching with C1 explicitly shown as the Common European Framework of Reference for Languages (CER) level, if this is indicated in the transcript of records.

§ 3 (1e) does not apply to applicants who are native speakers of English. Moreover, the admissions committee may decide on exemptions in justified exceptional cases in agreement with the head of the language centre. The statutes on language skills required for studies at Ulm University apply as amended.

(2) For the selection of applicants in compliance with § 3 the following is considered:

- a) the overall grade of their bachelor's or equivalent degree or, if this has not yet been determined, the average grade of the examinations taken by the application deadline;
- b) individual grades and volume of studies in the subjects Chemistry, Chemical Engineering, Electrical Engineering, Materials Science, Mathematics, Physics and any comparable subjects;
- c) letter of motivation;
- d) proof of vocational training and/or any practical work;
- e) letter of recommendation by the higher education institution.

(3) The criteria under § 3 (2) are assessed by the admissions committee according to an evaluation scale previously agreed by it. As a rule, the the guidelines proposed by the Standing Conference of the Ministers of Education and Cultural Affairs (*Kultusministerkonferenz*) are taken into account.

§ 4 Admission procedure

(1) Admissions are determined by the Board based on the admissions committee's proposals.

(2) Applications must be rejected if

- a) the requirements defined in §§ 2 and 3 are not fulfilled, or if
- b) the applicant has lost their right to examination in the master's programme in Energy Science and Technology or any other study programme with essentially the same content at any German university.

(3) In all other respects, the provisions related to admission procedures in general as stated in the admissions and enrolment statutes of Ulm University remain unaffected.

§ 5 Admissions committee

- (1) The admissions committee consists of one or more persons each from the Faculty of Engineering and Computer Science and the Faculty of Natural Sciences. The members choose a chairperson and their deputy from among themselves.
- (2) The members of the admissions committee are appointed by the faculties named in paragraph 1 above. The members' term in office is three years. Reappointment is possible. At the request of the student members of the Faculty Council, a further student may join the committee in an advisory capacity.
- (3) The admissions committee determines the equivalence of previous education and the comparability of academic degrees. The recognition of foreign degrees must comply with the recommendations of the Standing Conference of the Ministers of Education and Cultural Affairs and the agreements made as part of university partnerships. In cases of doubt, the Central Office for Foreign Education (ZAB) must be heard.

§ 6 Effective date

- (1) These statutes come into effect on the day after their publication in the official information bulletin ("Amtliche Bekanntmachungen") of Ulm University. They first apply to winter semester 2018/2019 admissions.
- (2) At the same time, the admissions statutes of Ulm University for the English-taught master's programme in "Energy Science and Technology" of 09 November 2017 (official information bulletin of Ulm University No. 2 of 12 January 2017, p. 16-19) cease to have effect.

Ulm, 28 February 2018

signed

Prof. Dr.-Ing. Michael Weber
President

Annex 1 to § 3 (1d) of the admissions statutes of Ulm University for the master's programme in "Energy Science and Technology" of 28 February 2018

For admission, the following basic competencies in the fields of natural sciences, chemistry or engineering are required:

The applicant

- is able to work in a modern laboratory (in the fields of materials science, chemistry & engineering) while observing the safety standards applicable in Germany.
- is able to evaluate laboratory experiments, present the results in an adequate form and write them up in a report.
- has acquired the skill to organise scientific content and present it orally within the time allotted for this.
- has learned to defend her/his position in a scientific discussion.
- is familiar with the basic principles of experimentation and able to use modern measurement methods which are common in the field and is capable of correctly assessing the validity of the results.
- is experienced in the use of laboratory and measurement instruments.