



Statutes of Aalen University – Technology and Economics for the admission and selection procedure for the Master's program in Advanced Systems Design (Systems Engineering)

Based on Sections 59 (1) sentence 2, 63 (2) sentences 1 and 3, 19 (1) sentence 2 no. 10 of the Law on Universities in Baden-Württemberg (State University Law – LHG) of January 1, 2005 (GBl. p. 1), last amended by Article 8 of the Law of February 7, 2023 (GBl. p. 26, 43), Sections 6 to 9 of the Higher Education Admission Act (HZG) of September 15, 2005 (GBl. p. 629 ff.), last amended by Article 9 of the Act of December 17, 2020 (GBl. p. 1204, 1229) and Sections 19 ff. of the Higher Education Admission Ordinance (HZVO) of December 2, 2019 (GBl. p. 489), last amended by Ordinance of December 20, 2021 (GBl. p. 1049), the Senate of Aalen University adopted the following statutes on October 23, 2024.

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§ 1 Scope

The following provisions are supplemented by the provisions of the framework statutes of Aalen University of Applied Sciences – Technology and Economics on admission and the university's own selection procedure for master's degree programs dated April 28, 2021, as amended.

§ 2 Form of the application

- (1) The following documents must be uploaded with the application for admission to be submitted via the university's applicant portal:
- a. the certificate of a first professionally qualifying university degree (university degree) or a certificate of the provisional grade if a university degree can be obtained by the deadline for submission of additional documents,
 - b. the university entrance qualification certificate (HZB),
 - c. if necessary, the certificate from the Academic Testing Center,
 - d. proof of English language qualification,
 - e. A letter of motivation relating to the chosen topic(s) in the context of your own person (maximum one DIN A4 page) in German or English.
 - f. a tabular resume with your current contact details (maximum two A4 pages),
 - g. if available, evidence of special achievements, skills, or knowledge beyond the normal university degree that have been attained or acquired after completing your bachelor's degree.
 - h. If available, evidence of scientific publications or scientific conference contributions related to the prioritized research topics.
 - i. prioritized listing of up to two subject areas/research topics in accordance with the publication of the degree program on its homepage, and
 - j. an identity document.

The Admissions Office at Aalen University may request additional documents. If the documents enclosed with the application are not in German or English, a certified German or English translation must also be enclosed.

- (2) The Admissions Office may require that the original documents on which the admission decision is based be presented at the time of enrollment.

§ 3 Language certificates

Applicants must provide proof of the required English language skills with their application. Proof of the English language skills required for this degree program at level B2 must be provided by submitting one of the following documents:

1. German university entrance qualification with information on the language level achieved;
2. TOEIC (L&R) with a minimum score of 785;
3. TOEFL (iBT) with a minimum score of 72;

4. TOEFL (ITP) with a minimum score of 543;
5. Cambridge First with at least a grade B;
6. Cambridge CAE or CPE with at least a grade C;
7. IELTS with a minimum score of 6.0;
8. PTC Academic B2 with a minimum score of 65; or
9. UNIcert II certificate with a minimum grade of 2.3.

§ 4 Selection criteria

- (1) The study places available after deduction of the advance quotas will be allocated according to a ranking list based on the following selection criteria:
 - a) A university degree worth 210 ECTS credits in electronics, electrical engineering, optics, optoelectronics, precision engineering, mechatronics, computer science, or a related field with an above-average grade of at least 2.5. Applicants with a university degree comprising 180 ECTS credits with an above-average grade will only be admitted on condition that they make up the difference during their master's program. The examination board will decide on the form in which the additional work is to be completed. In this case, the program is usually extended by one semester.
 - b) Proof of English language proficiency
 - c) if available, evidence of special achievements, skills, or knowledge beyond the normal university degree;
 - d) successful completion of the aptitude test.
- (2) Foreign degrees are evaluated on the basis of the recommendations of the Central Office for Foreign Education (ZAB). Degrees that meet the criteria of the ZAB and were obtained at recognized foreign higher education institutions are considered equivalent to professional university degrees in accordance with § 4 (1).

§ 5 Aptitude test

- (1) The following are admitted to the aptitude test
 - a) Applicants who have submitted their documents in a timely and proper manner
 - b) have specified a suitable research topic,
 - c) have a university degree with a grade of at least 2.5
 - d) and whose profile is deemed suitable by professors of the degree program after reviewing the documents.
- (2) The aptitude test comprises an oral examination, which must be passed by the applicant and recorded in the minutes. The examination is conducted by a professor from the degree program and an assessor.

§ 6 Ranking list

The ranking list is compiled on the basis of

- a) the average grade of the university degree, whereby evidence of special achievements, skills, or knowledge beyond the normal university degree can improve the average grade of the university degree by up to 0.3 as follows:

Subject-specific professional activity or other practical activity after graduation of

at least 6-12 months – improvement of 0.1

13–18 months – improvement of 0.2

19-24 months – improvement of 0.3

and

- b) successful completion of an aptitude test.

§ 7 Entry into force

These statutes shall enter into force retroactively on October 21, 2024, and shall apply for the first time to the admission procedure for the 2025 summer semester. The statutes of Aalen University of Applied Sciences – Technology and Economics for the selection procedure for the Master's program in Advanced Systems Design (Systems Engineering) dated April 20, 2016, as amended on July 15, 2021, are hereby repealed.

Aalen, October 31, 2024

Signed
Prof. Dr. Harald Riegel
Rector