Hochschule Aalen

Statutes of Aalen University – Technology and Economics for the admission and selection procedure for the Master's program in Machine Learning and Data Analytics

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 regulations are supplemented by the provisions of the framework statutes of Aalen University – Technik und Wirtschaft 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,

   b.   the university entrance qualification certificate (HZB),

   c.   If necessary, the certificate from the academic examination offices,

   d.   Proof of English language qualification,

   e.   if available, evidence of special achievements, skills, or knowledge beyond the normal university degree that were obtained or acquired after completing the bachelor's degree, and

   f.   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 German or English translation must also be enclosed.

(2) The university 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 details of 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 computer science, business informatics, or a related field with an above-average grade of at least 2.5;

    b) a university degree comprising 210 ECTS credits in electrical engineering, mechatronics, mechanical engineering, business administration, or a related field with an above-average grade of at least 2.5 in conjunction with proof of university-equivalent prior knowledge in the field of computer science and/or business informatics or related fields comprising at least 20 ECTS credits.

    c) Applicants with a domestic university degree qualifying them for professional practice may, upon request, acquire proof of university-equivalent prior knowledge in the field of computer science amounting to at least 20 ECTS credits within the first semester of study. To do so, they must demonstrate achievement of 5 ECTS credits in each of the four areas of algorithms and theoretical computer science, practical computer science, technical computer science, and software engineering. In particularly justified cases, this deadline may be extended until the end of the second semester upon request. The decision on the request is made by the examination board.

    d) 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 decides on the form in which the additional credits are to be earned. In this case, the program is extended by one semester.

    e) Proof of English language proficiency;

    f) if available, evidence of special achievements, skills, or knowledge beyond the normal university degree.

(2) Foreign degrees are evaluated on the basis of the recommendations of the Central Office for Foreign Education (ZAB). Degrees that meet the ZAB criteria and were obtained at recognized foreign higher education institutions are considered equivalent to professional university degrees in accordance with § 4 (1).

§ 5 Ranking

The average grade of the university degree is used to compile the ranking list. This can be improved by up to a maximum of 0.5 points through relevant professional experience after completing a bachelor's degree, as follows:

        at least 6–12 months – improvement of 0.1;
        13–18 months – improvement of 0.2;
        19–24 months – improvement of 0.3;
        25–30 months – improvement of 0.4; 31
        months or more – improvement of 0.5

§ 6 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 Machine Learning and Data Analytics with academic final examination (Master of Science) dated May 16, 2018, in the version dated July 26, 2022, shall cease to be valid at the same time.

Aalen, October 31, 2024

Signed
Prof. Dr. Harald Riegel
Rector

§ 6 Entry into force