Subject-specific admission and enrollment regulations for the Master's program in Data Science at the University of Potsdam

As of December 13, 2017

in the version of the Third Statute Amending the Subject-Specific Access and Admission Regulations for the Master's Program in Data Science at the University of Potsdam

As of July 2, 2025[1]

- non-official consolidated version -

The Faculty Council of the Faculty of Science at the University of Potsdam has approved, in accordance with Section 9 (5) sentence 2 in conjunction with Section 72 (2) No. 1 of the Brandenburg Higher Education Act (BbgHG) of April 28, 2014 (GVBl.I/14, [No. 18], amended by Article 2 of the Act of July 1, 2015 (GVBl.I/15, [No. 18]) in conjunction with Section 5 (4), Section 7 (2), Section 8 (2) and Section 16 (2) of the Brandenburg Higher Education Admission Act (BbgHZG) of July 1, 2015 (GVBl.I/15, [No. 18]) last amended by the Act of December 17, 2015 (GVBl.I/15, [No. 38]) in conjunction with Section 2 (1)-(3), (5), Section 19 (1) and Section 20 of the Higher Education Admission Regulations (HZV) of February 23, 2016 (GVBl. II/16, [No. 6]) and pursuant to Article 21 (2) No. 1 of the Basic Regulations of the University of Potsdam (GrundO) of December 17, 2009 (AmBek. UP No. 4/2010 p. 60) in the version of the Third Statute Amending the Basic Regulations of the University of Potsdam (GrundO) of April 22, 2015 (AmBek. UP No. 6/2015 p. 235) and the General Access and Admission Regulations for Master's Programs not related to teaching at the University of Potsdam (Admission Regulations – ZulO) of February 24, 2016 (AmBek. UP No. 3/2016 p. 76) on December 13, 2017, the following statutes were adopted: (2)

Overview

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[1] Approved by the President of the University of Potsdam on October 09, 2025.
[2] Approved by the President of the University of Potsdam on February 15, 2018.

§ 1   Scope

In addition to the General Access and Admission Regulations for non-teacher training master's programs at the University of Potsdam (Admission Regulations – ZulO), these Admission Regulations govern the admission requirements and the university selection procedure for the non-teacher training master's program in Data Science at the University of Potsdam. In all other respects, the ZulO apply.

§ 2   Transfer of Tasks in the Procedure

In order to carry out the admission and selection procedure, the examination board may transfer tasks of a purely administrative nature to qualified members of the program who are not members of the examination board.

§ 3   Admission

(1) The following special admission requirements apply to the Master's program in Data Science:

a)   a first professionally qualifying university degree
   - in one of the subjects computer science, mathematics, or data science comprising 180 LP; university degrees in related subjects may be recognized if the degree programs are comparable in terms of content and qualification objectives, or
   - in business informatics comprising 180 LP, provided that modules from the field of computer science comprising at least 60 LP and modules from the field of mathematics comprising at least 18 LP have been completed, or
   - in a natural science comprising 180 LP, provided that modules from the field of mathematics comprising a total of at least 27 LP and at least one module comprising 6 LP from the field of computer science have been completed.

b)   Proof of the acquisition of basic scientific working techniques for the preparation and writing of scientific papers and texts comprising 12 LP. Proof is deemed to have been provided if the compulsory curriculum of the degree program pursuant to paragraph 1 letter a requires a scientific thesis of at least this scope.

c)   Competencies corresponding to those described in the two bridge modules pursuant to Section 5 (1) No. II of the Study and Examination Regulations for the Master's Program in Data Science at the University of Potsdam. Proof of these competencies is generally provided through the successful completion of courses totaling

12 LP as part of the bachelor's degrees specified in section a) above. For applicants who do not meet these competencies, the examination board will specify in the letter of admission that, in order to meet the admission requirements for the program, a maximum of two bridge modules from the elective area pursuant to Section 5 (1) No. II of the Study and Examination Regulations for the Master's Program in Data Science at the University of Potsdam must be completed as compulsory modules, each worth 6 CP (maximum 12 CP) must be completed as compulsory modules. If, in order to align the level of knowledge acquired in the subjects listed under (a) in both mathematics and computer science, requirements exceeding 6 CP are necessary, the admission requirements are not met.

d) Proof of English language skills corresponding to at least level C1 of the Common European Framework of Reference for Languages. The required language skills must be proven by submitting one of the certificates listed in § 4 (2) ZulO.

(2) Proof of German language skills at level A1 of the Common European Framework of Reference for Languages. The certificates proving these skills are published on the website of the University of Potsdam in accordance with the decision of the LSK pursuant to § 4 (4) and (5) ZulO.

§ 4   Application Deadlines and Documents

(1) Applications for the Master's program in Data Science for the first semester are only possible for the winter semester. Applications for the Master's program in Data Science for higher semesters are possible for the winter and summer semesters.

(2) § 6 ZulO regulates the application deadlines.

(3) In addition to the documents listed in § 5 (3) ZulO, the following application documents must also be submitted:
- Proof of language skills in accordance with § 3 (1d) and § 3 (2).

(4) If the program has restricted admission, foreign nationals and stateless persons who are not equivalent to German applicants must submit a GRE General Test in addition to the documents specified in § 5 (4) ZulO.

§ 5   Quotas and Selection Procedure for Foreign Applicants

(1) Notwithstanding the quota specified in Section 19 (1) No. 1 HZV, a preliminary quota of 20% is set for foreign and stateless applicants who are not equivalent to German applicants.

(2) A total score is determined in accordance with § 9 ZulO to establish the ranking. The following criteria are used to determine the total score in accordance with § 9 ZulO, weighted as follows:
a) Average grade or current average grade of the degree in accordance with § 3 No. 1 (51%)
b) the Quantitative Reasoning Score of the GRE General Test (49%).

(3) The quantitative reasoning score of the GRE General Test is included in the selection process with the following grades:

> 167 points:	1.0
162 to 167 points:	2.0
156 to 161 points:	3.0
150 to 155 points:	4
< 150 points:	5

If the test is not taken, the criterion is included in the overall score with a grade of 5.0.

§ 6   University Selection Procedure

(1) In the event of admission restrictions for the degree program, a university selection procedure shall be carried out in accordance with § 9 ZulO as part of the allocation procedure pursuant to § 8 ZulO in accordance with the following guidelines with the aim of determining a ranking of the applicants.

(2) A total score is calculated in accordance with § 9 ZulO to determine the ranking. The following criteria are used to calculate the total score in accordance with § 9 ZulO, weighted as follows:
a) Average grade or current average grade with 90%,
b) the average of the grades for the modules
-Stochastics or probability theory
- Algorithms and data structures or Numerics and
- Machine learning or statistics with 10%. If documents proving this selection criterion are missing or if individual modules are not proven within the application period in accordance with § 4 (5), the respective module will be included in the calculation of the mean with a grade of 5.0.

§ 7   Validity

(1) These regulations shall enter into force on the day after their publication in the official announcements of the University of Potsdam.

(2) These regulations apply for the first time to all admission procedures for the Master's program in Data Science that are carried out for the 2018/2019 winter semester.