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The Ministry of Science and Culture of Lower Saxony (MWK) approved on 23.08.2023 (ref. 27.5 – 74503-08) the following eligibility and admission regulations for the consecutive master's degree programmes Civil Engineering, Computational Methods in Engineering and Environmental Engineering in accordance with section 18 paragraphs 6 and 14 of the Lower Saxony Higher Education Act (NHG) in conjunction with section 51 paragraph 3 of the NHG. These regulations shall take effect on the day following publication in the official bulletin of Gottfried Wilhelm Leibniz Universität Hannover.

Eligibility and Admission Regulations for the Consecutive Master's Degree Programmes Civil Engineering, Computational Methods in Engineering and Environmental Engineering

The faculty council of the Faculty of Civil Engineering and Geodetic Science of Leibniz University Hannover resolved on 21.6.2023 the following regulations in accordance with Section 18 paragraph 8 Lower Saxony Higher Education Act (NHG) and Section 7 Lower Saxony University Admissions Act (NHZG):

Section 1 Scope

(1) These regulations specify eligibility to apply for and admission to the consecutive master's degree programmes Civil Engineering, Computational Methods in Engineering and Environmental Engineering.

(2) The requirements for eligibility to apply are specified in Section 2.

(3) [1]In the event that more applicants fulfil the requirements for eligibility to apply than there are places available, places shall be allocated according to a selection procedure[1] determined by the university (section 4). [2]If fewer applicants fulfil the requirements for eligibility to apply than there are places available, no selection process shall be conducted.

Section 2 Requirements for Eligibility to Apply

(1) [1]In order to be eligible to apply to the consecutive master's degree programmes Civil Engineering, Computational Methods in Engineering or Environmental Engineering, the applicant must have obtained

- a bachelor's degree or an equivalent degree in a suitable previous degree programme as per appendix 1 at a German university or at a university in a Bologna signatory country or
- an equivalent degree in a suitable previous degree programme at a different university abroad; equivalence shall be determined in accordance with the suggested evaluations issued by the Central Office for Foreign Education (ZAB) at the secretariat of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany (KMK) (http://anabin.kmk.org).

The decision whether the previous degree programme is suitable is made by the responsible body (examination board); the decision may include an ancillary provision requiring completion of missing modules within two semesters.

(2) In deviation to paragraph 1, applicants who have not yet completed their bachelor's or an equivalent degree at the time of application are provisionally eligible to apply if they have obtained at least 150 credit points in a degree programme with 180 credit points in total or at least 180 credit points in a degree programme with 210 credit points in total and it is to be expected that they will complete the bachelor's or equivalent degree by the end of the first semester of the master’s degree programme at the latest.

(3) Applicants who cannot present evidence of either a German university entrance qualification or a bachelor's degree completed at a German university must additionally provide evidence of sufficient German language proficiency for the degree programme. [2]Applicants for the degree programmes Civil Engineering and Environmental Engineering must provide evidence of German language proficiency at level C1 CEFR. [3]Applicants for the degree programme Computational Methods in Engineering must provide evidence of German language proficiency at level B1 CEFR. [4]For details on the evidence to be presented, see: https://www.llc.uni-hannover.de/en/language-examinations/accepted-language-certificates-at-the-luh/.

(4) [1]In addition to evidence of sufficient German language proficiency, applicants for the degree programme Computational Methods in Engineering must provide evidence of sufficient English language proficiency at level C1 CEFR. [2]For details on the evidence to be presented, see: https://www.llc.uni-hannover.de/en/language-examinations/accepted-language-certificates-at-the-luh/.

(5) [1]In deviation to paragraph 3, applicants for the degree programme Environmental Engineering may provide evidence of sufficient English language proficiency for the degree programme (level C1) instead of evidence of sufficient German language proficiency. [2]For details on the evidence to be presented, see: https://www.llc.uni-hannover.de/en/language-examinations/accepted-language-certificates-at-the-luh/.

Section 3 Beginning of the Degree Programme and Application Deadline

(1) [1]Students may begin the master's degree programmes Civil Engineering, Computational Methods in Engineering and Environmental Engineering in the summer or winter semester. Applications, including the required documents specified in paragraph 2, must be received by the university by 15 July for the winter semester and by 15 January for the summer semester. [3]For the master's degree programmes Civil Engineering, Computational Methods in Engineering and Environmental Engineering, the deadline for applicants from non-EU countries is 31 May for the winter semester and 30 November for the summer semester.

[4]Students in the master's degree programme Environmental Engineering may obtain a double degree with the partner university Tsinghua University in the English-language track “Resources and Environment”. [5]The double degree programme begins in the winter semester. [6]The deadline for applying to the double degree programme is 30 November for applicants from non-EU countries and 15 January for applicants from EU countries. [7]Further details are specified in existing cooperation agreements.

[8]Applicants must submit both a written application and an online application (via the university’s online portal). [9]Applications for admission outside of the process for allocating university places and outside of the determined number of candidates to be admitted must be received by the university by 1 April for the summer semester and by 1 October for the winter semester. [10]Applications, including those as per sentence 5, shall be effective only for the allocation of places corresponding to the respective application deadline. [11]The university is not required ex officio to verify the information provided by the applicant.

(2) Applications, including those as per paragraph 1 sentence 5, must be accompanied by the documents listed below. Certified copies are required for certificates and official confirmations; if these documents were not issued in German or English, certified German or English translations must be provided.

a) the certificate of results (Zeugnis) for the bachelor’s degree programme or – if this is not yet available – confirmation of completed coursework and assessments, credit points, as well as the average mark,

b) curriculum vitae,

c) evidence as per section 2 paragraphs 3 and 4,

d) other supporting documents necessary to assess fulfilment of the requirements for eligibility to apply.

e) Applicants for the master's degree programmes Civil Engineering and Environmental Engineering must also indicate which track they wish to select.

(3) Applications that are incomplete or do not meet the requirements regarding form or deadline will be excluded from the admissions procedure. [2]The university will retain the submitted documents.

Section 4 Admissions procedure

(1) [1]The provisions of the university's enrolment regulations that generally apply shall remain unaffected. [2]The enrolment of those applicants who must complete missing modules as specified in section 2 paragraph 1 sentence 2 shall expire if the evidence required for this is not provided within one year and the applicant is responsible for such neglect. The same shall apply if, as specified in section 2 paragraph 2, evidence of successful completion of the bachelor's degree or equivalent qualification is not provided by 15 April (for enrolment in the winter semester) or 15 October (for enrolment in the summer semester) and the applicant is responsible for such neglect.

Section 5 Notification, Completion of the Procedure

(1) [1]Successful candidates will receive written notification of admission from the university. [2]A deadline will be specified in the notification within which the applicant must declare in writing or electronically whether they wish to accept the place or not. [3]If this declaration is not received in correct form by the deadline, the notification of admission becomes invalid. [4]This legal consequence must be indicated in the notification of admission.

(2) [1]Unsuccessful candidates shall receive a notification of rejection. [2]The notification of rejection must include information on legal remedies.

Section 6 Entry into Force

These regulations shall enter into force the day after publication in the university's official bulletin.

Appendix 1

(1) Suitable previous degree programmes for the master's degree programme Civil Engineering include, as a rule, degree programmes in Civil Engineering or Civil and Environmental Engineering with a bachelor's degree equivalent to a German degree with at least:

- 12 CP Constructive Mechanics,
- 5 CP Structural Engineering/Statics,
- 12 CP Engineering Mathematics,
- 8 CP Constructive Engineering,
- 5 CP Computer Science/Programming,
- 8 CP Natural Sciences,
- 8 CP Water Engineering.

(2) Suitable previous degree programmes for the master's degree programme Computational Methods in Engineering include, as a rule, degree programmes in Civil Engineering, Civil and Environmental Engineering and Mechanical Engineering with a bachelor's degree equivalent to a German degree with at least:

- 15 CP Engineering Mathematics,
- 18 CP Mechanics/Statics/Elastostatics/Kinetics/Kinematics,
- 12 CP Computer Science/Programming,
- 10 CP Natural Sciences,
- 6 CP Numerical Methods/Finite Elements Methods and
- 5 CP Probability Theory/Statistics.

(3) Suitable previous degree programmes for the master's degree programme Environmental Engineering include, as a rule, degree programmes in Civil Engineering, Civil and Environmental Engineering, Mechanical Engineering and Process Engineering with a bachelor's degree equivalent to a German degree with at least:

- 12 CP Mathematics for Engineers,
- 18 CP Natural Sciences for Engineers (Mechanics/Fluid Mechanics/Thermodynamics),
- 12 CP Computer Science/Programming,
- 12 CP Probability Theory/Statistics/Data Analysis,
- 30 CP Subject-specific Basics of Environmental Engineering Sciences
  (water engineering/process engineering/transportation engineering/sustainability engineering)