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On 19.07.2022 (ref.: 74503-863/2021-3144/2022) the following eligibility and admission regulations for the consecutive master's degree programme Quantum Engineering were approved by the Ministry of Science and Culture of Lower Saxony (MWK) 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 Programme Quantum Engineering

The Dean of the Faculty of Mathematics and Physics resolved on 20.05.2022 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) as a matter of urgency:

Section 1 Scope

- (1) These regulations specify eligibility to apply for and admission to the master's degree programme Quantum Engineering.
- (2) The requirements for eligibility to apply are specified in Section 2.
- (3) 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 determined by the university (section 4). 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) In order to be eligible to apply to the consecutive master's degree programme Quantum Engineering, the applicant must have obtained
 - a bachelor's degree or an equivalent degree in a suitable previous degree programme 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://ana-bin.kmk.org>).
- (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 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. The average mark of the assessments completed so far shall be determined; it shall be taken into account in the selection process as per section 4, irrespective of the final bachelor's degree mark. If applicants are unable to provide evidence of the required 150 CP by the deadlines mentioned, the selection committee shall decide on an individual basis whether to admit the applicant with conditions, including providing evidence of the required credit points by 15 September (for admission for the winter semester) or by 15 March (for admission for the summer semester).
- (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 English language proficiency at level C1 of the Common European Framework of Reference for Languages. For details on the evidence to be presented, see: <https://www.llc.uni-hannover.de/en/language-examinations/accepted-language-certificates-at-the-luh>. Native speakers of English are not required to provide evidence of sufficient English language proficiency.

- (4) The decision whether the previous degree programme is suitable and whether the requirements for eligibility to apply are fulfilled shall be made by the selection committee (Section 5) For applicants who have completed a bachelor's degree or an equivalent degree in a suitable previous degree programme and who have not completely fulfilled the requirements for eligibility to apply as per Appendix 1, the decision that their degree is suitable may be subject to conditions which must be fulfilled within two semesters of enrolment; otherwise admission shall expire. Upon application, the examination board shall decide upon extension of this deadline in individual cases provided the applicant is not responsible for such neglect.

Section 3 Beginning of the Degree Programme and Application Deadline

- (1) Students may begin the master's degree programme Quantum Engineering in the winter or summer 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. Applications from non-German applicants from non-EU countries must be received by the university by 31 May for the winter semester and by 30 November for the summer semester.

Applicants must submit both a written application and an online application (via the university's online portal). 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. Applications, including those as per sentence 3, shall be effective only for the allocation of places corresponding to the respective application deadline. 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 paragraph 3.
- (3) Applications that are incomplete or do not meet the requirements regarding form or deadline will be excluded from the admissions procedure. The university will retain the submitted documents.

Section 4 Admissions Procedure, Notification

- (1) The provisions of the enrolment regulations of Leibniz University Hannover that generally apply shall remain unaffected. Enrolment of those applicants admitted on a provisional basis as per Section 2 paragraph 2 is based on the condition that they provide evidence of successful completion of their bachelor's degree programme. Enrolment shall expire if 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.
- (2) Successful candidates will receive written notification of admission from the university. A deadline will be specified in the notification within which the applicant must declare in writing whether they wish to accept the place or not. If this declaration is not received in correct form by the deadline, the notification of admission becomes invalid. This legal consequence must be indicated in the notification of admission. If the applicant is required to fulfil conditions (see Section 2 paragraph 4), then admission is conditional.
- (3) Unsuccessful candidates shall receive a notification of rejection. The notification of rejection must include information on legal remedies. The notification of rejection shall also include the request to confirm in writing or electronically by a stated deadline whether the applicant wishes to maintain their application for admission for the allocation of remaining places ("Nachrückverfahren"). If the applicant does not submit this declaration in correct form by the deadline, they shall be excluded from the allocation of remaining places ("Nachrückverfahren"). This legal consequence must be indicated.
- (4) 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 determined by the university.
- (5) The decision on selection and the ranking shall be established based on the final or average mark as per section 3 paragraph 2 letter a). In the event that multiple applicants hold an equal rank based on their mark, their ranking shall be determined by drawing lots.

Section 5 Selection Committee for the Master's Degree Programme Quantum Engineering

- (1) The Faculty of Mathematics and Physics shall form a selection committee whose members must be involved in teaching or research at the QUEST Leibniz Research School. The selection committee shall comprise at least three members entitled to vote, who must be a professor or junior professor or another member of academic staff, in addition to a student member acting in an advisory role. At least one member must belong to the group of professors and junior professors. The members are appointed for a term of two years, the student member is appointed for one year; reappointment is possible. The selection committee has a quorum provided that at least two members entitled to vote are present.
- (2) The admissions committee may delegate subtasks of the assessment procedure to other members of Leibniz University Hannover (professors, academic staff members).
- (3) The duties of the selection committee include:
 - a) reviewing whether applications have been submitted in the correct form,
 - b) reviewing whether the requirements for eligibility to apply have been met,
 - c) deciding whether to admit or reject applicants.

Section 6 Admission to Advanced Semesters

- (1) Available places in an advanced semester of a degree programme with restricted admission shall be allocated to applicants according to the order below:
 - a) applicants for whom, due to personal reasons, rejection of admission would mean undue hardship,
 - b) applicants who are or were enrolled in the same or a comparable degree programme
 - 1) at another German university or a university in another EU member state or another signatory state to the EEA Agreement, or
 - 2) at a foreign university and have German citizenship or are of equal legal status to German citizens with respect to admission regulations, or
 - c) who claim any other grounds.It is possible to deviate from this order.
- (2) Within each of the three groups in paragraph 1, admission shall be decided depending on the mark attained for the bachelor's degree or equivalent qualification; in the case of identical results, admission shall be allocated according to social aspects that were decisive in the choice of location, especially familial or financial aspects; thereafter, places shall be allocated by drawing lots.

Section 7 Entry into Force

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

Appendix 1

Suitable Previous Degree Programmes

(1) The following previous degree programmes are suitable for the master's degree programme Quantum Engineering:

- bachelor's degree in Physics, Optical Technologies, Engineering or a different suitable previous bachelor's degree programme with at least the following
 - 20 ECTS-CP in mathematics,
 - 8 ECTS-CP in quantum mechanics,
 - 5 ECTS-LP in physical optics or 5 ECTS-LP in electrodynamics.

(2) Applicants must provide evidence of obtaining equivalent skills as per the applicable module handbook in order to obtain recognition of credits from academic performance in accordance with paragraph 1 of Appendix 1.