

Only those regulations published by the Georg-August-Universität Göttingen in its Official Bulletins are legally binding. Any claims to rights or titles resulting from the English translation of these regulations are expressly excluded.

Faculty of Mathematics and Computer Science:

Following the resolution of the Faculty Council of the Faculty of Mathematics and Computer Science dated 03.02.2016 and the Senate of the University of Göttingen dated 09.03.2016, the Foundation Committee of the University of Göttingen Foundation under Public Law approved the second amendment of the regulation governing qualifications for entry and admission for the consecutive Master's degree programme „Mathematics“ on 26.05.2016 in the version published on 04.07.2012 (Official Announcements I no. 21/2012 p. 1103), last amended by resolution of the University Foundation Committee of 10.06.2014 (Official Announcements I no. 22/2014 p. 725) (§ 44 section 1 sentence 2 NHG in the version of the announcement dated 26.02.2007 (Nds. GVBl. p. 69), last amended by Article 1 of the Act dated 15.12.2015 (Nds. GVBl. p. 384); § 41 section 1 sentence 1 NHG in conjunction with § 18 section 6 sentence 3, section 8 sentence 3 NHG and § 7 section 1 sentence 1 NHZG in the version of the announcement dated 29.01.1998 (Nds. GVBl. p. 51), last amended by Article 2 of the Act dated 15.12.2015 (Nds. GVBl. p. 390); §§ 62 section 4 sentence 1 NGH, 60 a section 1 sentence 1 NHG in conjunction with § 18 section 6 sentence 3, section 8 sentence 3, section 14 NHG and § 7 section 2 NHZG).

**Regulation governing qualifications for entry and admission
for the consecutive Master's degree programme „Mathematics“
of the University of Göttingen**

I. Scope

§ 1 Scope

- (1) These regulations govern entry and admission for the consecutive Master's degree programme "Mathematics".
- (2) The university conducts an autonomous procedure in accordance with the following provisions to determine the qualifications for entry for all university places to be awarded in the degree programme "Mathematics".
- (3) ¹If the number of applicants who meet the qualifications for entry exceeds the available university places, the university shall award the places based on the results of its own selection procedure. ²If the number of applicants who meet the qualifications for entry falls short of the available places, no selection procedure shall take place.

II. Authorisation for admission

§ 2 Qualifications for entry

(1) ¹It is a requirement for entrance to the Master's degree programme that the applicant possesses the professional competence. ²Candidates shall be deemed to possess the relevant professional competence if they have completed a technically relevant course of studies to Bachelor's degree level with a standard course length of at least six semesters and a total of at least 180 ECTS credits, or an equivalent degree programme in Mathematics or in a closely related subject area in accordance with section 3 at a German university or a university in one of the Bologna signatory states. ³Final examinations which have been passed in a country outside the Bologna signatory states require the determination of equivalence with the qualifications in accordance with sentence 1, taking into account the proposals of the Central Office for Foreign Education (ZAB) at the Office of the Standing Conference of the Ministers of Education and Cultural Affairs of the Federal States in the Federal Republic of Germany (KMK) for the recognition and assessment of foreign certificates of academic qualification, which can be found under the URL <http://anabin.kmk.org>. ⁴The grades of the foreign certificates of academic qualification must be converted to the German grading system.

(2) ¹Notwithstanding section 1, eligibility shall be considered proven by applicants who have not yet completed a course of studies at the time of application, but have acquired at least 150 credits in a relevant Bachelor's degree programme in accordance with section 3, or in an equivalent degree programme. ²The average grade calculated from the previous examination components is also taken into consideration in the selection procedure in place of the Bachelor grade or the grade of an equivalent certificate of academic qualification, irrespective of whether the result of the Bachelor's examination deviates from this.

(3) ¹The decision as to whether a preliminary course of studies is relevant within the meaning of sections 1 and 2 shall be made by the selection committee. ²The prerequisite for the subject-related relevance of the previous studies is proof of at least the following achievements:

Achievements in mathematics amounting to a total of at least 90 credit points, including

a) Achievements in the areas of "Differential and Integral Calculus" and "Analytical Geometry and Linear Algebra" totaling at least 16 credit points each, and

b) Achievements in further sub-areas of mathematics, including

ba) Achievements in pure mathematics totaling at least 8 credit points,

bb) achievements in numerical mathematics amounting to a total of at least 8 credits, and

bc) Achievements in probability and measure theory totaling at least 8 credits.

³The selection committee may require the completion of pending examination components in accordance with sentence 2 within two semesters for assessing the technical relevance; in this

case, determination of technical relevance and admission are conditional on proof of the pending examination components, which should be submitted within two semesters from the time of enrolment at the university (closing date). ⁴If proof of the pending examination components is not submitted by the deadline, assessment of the relevance of the subject and any letter of admission based on this shall become invalid. ⁵Assessment of technical relevance shall not be possible if the components in accordance with sentences 2 and 3 that have not yet been performed have a rating of more than 15 credits.

(4) ¹Applicants whose native language is not German and who neither meet a German university entrance qualification nor have acquired their bachelor degree or an equivalent degree at a German university, must demonstrate very good proficiency in the German language. ²Proof hereof is demonstrated by means of a test with the grade point average DSH-2 in accordance with the examination regulation for the German language test for university admission of foreign prospective students (DSH). ³Exempt from the obligation to appear for a test are applicants who are exempted according to the Examination Regulations for the German Language Examination for University Entrance of Foreign Applicants (DSH) at the Georg-August-Universität Göttingen from the German language examination for university entrance. This applies, in particular, to those applicants who have demonstrated a requisite knowledge of the German language by means of the successful "German as a Foreign Language" (TestDaF) with at least four times TestDaF level 4 (TDN 4) or by means of the "Examination part German" of the assessment test in the preparatory course.

(5) ¹Deviating from section 4, those who have excellent knowledge of the English language are also eligible for admission. ²Excellent English proficiency must be demonstrated by minimum performance on an internationally recognized test taken no more than two years prior to receipt of the application for admission to the master's programme, or equivalent. ³The following in particular shall serve as proof:

- a) „Cambridge Certificate in Advanced English“ (CAE) with at least a grade of „B“;
- b) „Cambridge Certificate of Proficiency in English“ (CPE) with at least a grade of „C“;
- c) „International English Language Testing System“ (IELTS Academic) min. band 7;
- d) „Test of English as a Foreign Language, paper-based test “ (TOEFL PBT) min. 587 points;
- e) „Test of English as a Foreign Language, internet-based test“ (TOEFL iBT) min. 94 points;
- f) UNlcert min. level III;
- g) Other evidence at level C1 or higher according to Common European Framework of Reference for Languages (CEFR);
- h) Degree certificate of at least two years of study in English only.

(6) ¹In all other respects, the general provisions of the regulation applying to enrolment at the university remain unaffected. ²Enrolment of applicants who are provisionally authorised for admission in accordance with section 2 is conditional upon submission of proof of successful completion of the Bachelor's course of studies or an equivalent course of studies. ³The proof must be provided by the end of 15/11 for enrolment in the winter semester and by the end of 15/05 for enrolment in the summer semester.

III. Selection procedure

§ 3 Start of programme, application for admission, closing date

(1) ¹The Master's degree programme starts in both the summer and winter semesters. ²Applications for admission must be submitted via the university's online portal. They must be received by the university together with the application documents required in accordance with section 2 by 01/07 (closing date) for the winter semester and by 15/01 of the previous year (closing date) for the summer semester; if the university's own selection procedure is not carried out, applications received after the deadline will also be considered, provided that proof of eligibility for admission according to § 2 section 1 or 2 is provided by 15/11 at the latest in the case of applications for a winter semester, or by 15/05 in the case of applications for a summer semester; the other provisions on admission requirements remain unaffected. ³The application applies only to the award of university places for the relevant admission date. ⁴The university is not obliged to review the details of the applicants ex officio.

(2) The following documents must be enclosed with the application for admission; they must be uploaded to the university server over the online portal:

- a) the applicant's degree certificate(s) in German or English translations if the originals are not in English or German; if a degree certificate is not yet available, a certificate of the examination results acquired, the credits and the average grade should be submitted;
- b) a curriculum vitae in tabular form written in German or English with a meaningful presentation of the educational background;
- c) if applicable, evidence of special knowledge that is conducive to the successful completion of this degree programme;
- d) proof of sufficient knowledge of the German and English language according to § 2 section 4 and 5;
- e) a declaration on whether the applicant has successfully / unsuccessfully completed a Master's degree programme in the same discipline or has not yet completed it.

(3) ¹Applications that are not submitted in full, or in due form and time, shall be excluded from the further procedure. ²The documents submitted shall be retained by the university.

(4) If a prospective student credibly demonstrates that they are disadvantaged compared to other applicants due to an obstacle in the selection procedure, appropriate compensation for disadvantage is to be granted by the Selection Committee upon application.

§ 4 Selection committee for the Master's degree programme

(1) For the preparation of the selection decision, the Faculty of Mathematics and Computer Science of the university shall form at least one selection committee for this study programme.

(2) ¹A selection committee includes three members eligible to vote, who belong to the full-time academic staff or the professorial group, and a member of the students' group with an advisory vote. ²At least one member must belong to the professorial group. ³The members shall be appointed by the Faculty Council of the Faculty of Mathematics and Computer Science. ⁴The tenure of the members is two years, while that of the student group member is one year. ⁵Reappointment is possible. ⁶The selection committee has a quorum if at least two members eligible to vote are present.

(3) The tasks of the selection committee are:

- a) examination of the incoming applications for admission for formal correctness;
- b) examination and, if necessary, assessment of the qualifications for entry;
- c) conducting interviews in accordance with § 6;
- d) decision on admission or rejection of applicants.

(4) The selection committee reports its findings to the Faculty Council of the Faculty of Humanities after completing the allocation procedure. If necessary, the committee submits proposals for the further development of the procedure.

§ 5 Selection procedure

(1) Selection is made based on a combination of the following criteria:

- a) based on the grade achieved in the Bachelor's degree or the grade of an equivalent certificate of academic qualification,
- b) for special knowledge that is beneficial to the successful completion of this degree programme,
- c) according to the result of an interview with the applicant.

(2) The selection committee shall make a pre-selection from the applications received in accordance with section 3 and make a selection from the pre-selected applicants on the basis of the selection criteria in accordance with sections 1 and 4.

(3) ¹A pre-selection from the applications received shall be carried out in order to limit the number of participants in the interviews to twice the number of university places to be awarded in accordance with the selection procedure. ²For this purpose, a ranking list shall be drawn up according to the result of the determination in accordance with section 4 sentence 2 letters a) and b). ³In the event of identical ranking, all applicants with the highest ranking shall be permitted to participate.

(4) ¹Selection shall be made on the basis of ranking, where a maximum of 74 points is attainable. ²This is generated in accordance with the following provisions:

a) points are awarded to the applicant as follows, depending on the result achieved in the Bachelor's degree or the grade of an equivalent certificate of academic qualification:

1,0 up to and including 1,1	39 points,
over 1,2 up to and including 1,3	37 points,
over 1,3 up to and including 1,4	35 points,
over 1,4 up to and including 1,5	33 points,
over 1,5 up to and including 1,6	31 points,
over 1,6 up to and including 1,7	29 points,
over 1,7 up to and including 1,8	27 points,
over 1,8 up to and including 1,9	25 points,
over 1,9 up to and including 2,0	23 points,
over 2,0 up to and including 2,1	21 points,
over 2,1 up to and including 2,2	19 points,
over 2,2 up to and including 2,3	17 points,
over 2,3 up to and including 2,4	15 points,
over 2,4 up to and including 2,5	13 points,
over 2,5 up to and including 2,6	11 points,
over 2,6 up to and including 2,7	9 points,
over 2,7 up to and including 2,8	7 points,
over 2,8 up to and including 2,9	5 points,
over 2,9 up to and including 3,0	3 points,
over 3,0 up to and including 4,0	0 points.

b) The applicant shall be credited with a maximum of 17 points for special knowledge that is beneficial to the successful completion of this degree programme:

ba) 2 points each for proof of special subject-related achievements, whereby the following achievements in particular may be taken into account, insofar as they have been achieved in addition to the achievements in the areas of "Differential and Integral Calculus" and "Analytical Geometry and Linear Algebra" required in accordance with § 2 section 3 sentence 2:

- further achievements in pure mathematics to the extent of at least 16 C,
- further achievements in applied mathematics amounting to at least 16 C,
- mathematical internship or company internship of at least 8 C or 240 hours, or programming course for a higher programming language of at least 3 C,
- Achievements from a seminar module amounting to at least 3 C;

bb) 9 points for proof of English language proficiency by minimum performance in an internationally recognized test, the completion of which does not date back more than two years prior to the receipt of the application for admission to the Master's program, or equivalent performance; this proof can be provided in particular as follows:

- "Cambridge English: Preliminary" (PET);
- "International English Language Testing System" (IELTS Academic) at least band 4;
- "Test of English as a Foreign Language, paper-based test " (TOEFL PBT) with at least 487 points;
- "Test of English as a Foreign Language, internet-based test" (TOEFL iBT) with at least 57 points;
- UNlcert at least level I;
- other proof according to the Common European Framework of Reference for Languages (CEFR), at least level B1;
- an average grade of at least 5 points in the subject "English" within the two school years prior to acquiring the university entrance qualification;

or, in the case of § 2 section 5, 9 points for proof of German language skills at least at CEF level B1 (e.g. by means of the "Goethe-Zertifikat B1").

c) Points are awarded to the applicant as follows, depending on the assessment of the degree of suitability in the interview:

ca) Depending on the nature and extent of the proven knowledge the applicant shall be credited with points as follows:

the applicant has:

very good knowledge	6 points,
good knowledge	4 points,
satisfactory knowledge	2 points,
limited knowledge	0 points.

cb) Depending on the nature and extent of professional expectations, the candidate will be credited with points as follows:

The expectations are

very convincing	6 points,
convincing	4 points,
not very convincing	2 points,

not convincing 0 points.

cc) Depending on the justification for the motivation to study, the applicant will be awarded points as follows:

The justification is

very convincing	6 points,
convincing	4 points,
not very convincing	2 points,
not convincing	0 points.

d) Points attained under a) to c) shall be added together.

(5) ¹If there is identical ranking after generating the ranking, the ranking sequence shall be determined by the result of the determination of the special suitability in accordance with section 4 sentence 2 letters a) and b), then by the result of the Bachelor's degree or an equivalent degree. ²In all other cases, where there is identical ranking, lots shall be drawn to decide the outcome.

(6) ¹In all other respects, the general provisions of the regulation applying to enrolment at the university remain unaffected. ²Enrolment of applicants who are provisionally authorised for admission in accordance with § 2 section 2 is conditional upon submission of proof of successful completion of the Bachelor's course of studies or an equivalent course of studies. ³The proof must be provided by the end of 15/11 for enrolment in the winter semester and by the end of 15/05 for enrolment in the summer semester.

§ 6 Interview

(1) ¹The interview is intended to determine whether an applicant is suitable for the selected degree programme. ²The following principles apply for carrying out the interview:

a) The interview shall normally be held at the university in the second half of July for the winter semester and the second half of January for the summer semester. The exact dates as well as the place of interview shall be announced by the university within a reasonable period before the start of interviews. The university shall invite candidates with sufficient notice. A video or a telephone conference interview is permitted, provided the identity of the applicant can be determined beyond doubt. The selection committee shall determine the details of the procedure in such cases.

b) The selection committee shall conduct an interview lasting about 15 minutes with every applicant. The selection interview may be conducted with up to four applicants at a time.

c) A log of the key questions and answers in the course of the interview is to be kept and signed by the members of the selection committee. The log should clearly show the day

and place of the interview, the name of the committee members, the name of the applicant and the assessment.

(2) The interview shall cover the following aptitudes:

- a) special technical knowledge;
- b) professional understanding of the content of the chosen course of study,
- c) motivation to complete the degree programme.

(3) The members of the selection committee shall assess the applicant after conclusion of the interview to ascertain suitability for the selected degree programme on a scale in accordance with § 5 section 4 sentence 2 letter c).

(4) ¹Any applicant who fails to attend the interview without good cause shall be excluded from the further procedure. ²The selection committee shall schedule a new date for the interview upon request, provided there is good cause. ³Proof of the good cause should be provided and an application for rescheduling a new date should be made promptly, at the latest within two days after the date first scheduled. ⁴An unsuccessful applicant is entitled to participate again in the next possible selection procedure.

§ 7 Letter of admission, letter of rejection and procedure for subsequent admissions

(1) ¹Applicants who may be admitted shall receive a letter of admission from the university in text form. ²This specifies the deadline by which the applicant must enrol or declare in writing whether he or she accepts the university place. ³If the university has not received the enrolment or the declaration in accordance with sentence 2 by the specified deadline and in the correct form, the letter of admission shall become invalid. ⁴Notification of this legal consequence must be provided in the letter of admission.

(2) ¹Applicants who are not entitled to admission shall receive a letter of rejection in text form, in which the ranking achieved and the ranking of the applicant last admitted are listed. ²The letter of rejection shall provide information on rights of legal recourse. ³In the case of authorised applicants, it shall also contain a request that a declaration should be made in writing by a specified deadline as to whether the application for admission shall be held for a procedure for subsequent admissions. ⁴If the applicant does not submit this declaration by the deadline or in the correct form, they shall be excluded from the procedure for subsequent admissions. ⁵Reference must be made to this legal consequence.

(3) ¹The procedure for subsequent admissions shall be carried out on the basis of the ranking in accordance with § 5 sections 4 and 5. ²Once the ranking in accordance with sentence 1 has been worked through, the ranking in accordance with the result of the determination pursuant to § 5 section 4 sentence 2 letters a) and b) and the advancement procedure shall be

conducted on the basis of this ranking list. ³After which, in the event of identical ranking, the decision shall be determined by the result of the Bachelor's degree grade or grade of an equivalent educational certificate. ⁴In the event of a tie, the decision shall be made by drawing lots. ⁵The provisions of section 1 apply correspondingly.

(4) ¹The selection procedure shall be completed no later than 15/11 for admission to a winter semester or no later than 15/05 for admission to a summer semester. ²Any university places still available shall be awarded by lot to applicants authorised for admission, subject to informal application. ³The application period for this purpose shall begin two weeks before the start of the semester for which the admission is applicable, and end with conclusion of the selection procedure. ⁴Due to the advanced period of lectures, the awarding of university places by means of a drawing lots shall be completed no later than 30/11 for admission to a winter semester and no later than 31/05 for admission to a summer semester.

§ 8 Admission to higher semesters

(1) Free university places in higher semesters with limited admission shall be awarded to applicants in the following sequence:

- a) those who are or were enrolled in the same or a comparable degree programme
 - aa) who are or were enrolled at a different German university or at a university in another member state of the European Union or in another signatory state to the Agreement on the European Economic Area;
 - bb) who are or were enrolled at a foreign university and possess German nationality or are subject to the same university admissions laws and regulations as German citizens;
- b) those for whom the rejection of admission for personal reasons would mean extraordinary hardship;
- c) those who assert other reasons.

(2) Within each one of the three case groups in section 1, the result of the bachelor's examination or an examination equivalent to the bachelor's examination is decisive, followed by social, especially family-related, and economic reasons, and finally by lot in cases that are still identical.

IV. Final provision

§ 9 Entry into force; Final provisions

(1) ¹This regulation shall enter into force on the day following its announcement in the Official Announcements I of the University of Göttingen. ²It applies for the first time for the awards procedure for the winter semester 2012/13. ³The regulations on qualifications for entry and admission to the Master's programme "Mathematics" as published on August 4, 2006 (Official

Announcements no. 12/2006 p. 861) shall expire at the same time. ⁴Departing from sentence 3, the Regulations on qualifications for entry and admission to the Master's Programme "Mathematics" in the version of the announcement dated August 4, 2006 (Official Announcements no. 12/2006 p. 861) shall remain applicable for award procedures prior to the winter semester 2012/13.

(2) In deviation from § 3 section 1, the application for admission must be submitted in writing using the forms provided for download in the online portal and must be received by the university together with the documents specified in § 3 section 2 within the period specified in § 3 section 1 if an online application for admission is not provided; the university will announce the details within a reasonable period of time before the application deadline.