

OFFICIAL TRANSLATION OF

Satzung über Auswahlverfahren und -kriterien für die Studiengänge der Fakultät für Mathematik, Informatik und Naturwissenschaften (Amtliche Bekanntmachung Nr. 31 vom 15. Mai 2024)

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ONLY THE GERMAN VERSION SHALL BE LEGALLY
VALID AND ENFORCEABLE!**

Bylaws Regarding the Selection Procedure and Criteria for Degree Programs in the Faculty of Mathematics, Informatics and Natural Sciences

Dated 17 April 2024

On 30 April 2024 in accordance with Section 10 subsection 1 of the higher education admissions act (Gesetz über die Zulassung zum Hochschulstudium in Hamburg, HZG) dated 28 December 2004 (HmbGVBl. p. 515) and last amended on 18 May 2018 (HmbGVBl. p. 200), the Executive University Board of the University of Hamburg ratified the Revised Bylaws Regarding the Selection Procedure and Criteria for Degree Programs in the Faculty of Mathematics, Informatics and Natural Sciences adopted by the Faculty of Mathematics, Informatics and Natural Sciences on 17 April 2024 pursuant to Section 91 subsection 2 number 2.

Section 1

Scope

(1) In accordance with the HZG and the bylaws of the University of Hamburg for admission dated 21 July 2014 (Universitätszulassungssatzung, UniZS) as amended, these bylaws govern the selection of applicants applying for first-year student placement (Section 5 subsection 1 number 1 and subsection 2 number 1 UniZS) in restricted-admission degree programs or degree components offered by the faculty that are not included in the university place allocation procedure of the Central Office for Allocating Admissions (Central Office, ZVS). The bylaws also apply to the selection of international applicants for degree programs included in the university place allocation procedure of the Central Office.

(2) These Bylaws also apply to the selection of applicants for a higher subject semester (Section 2 subsection 2 UniZS) in restricted-admission degree programs or components as well as selection for restricted-admission consecutive master's programs offered by the faculty.

(3) Supplementary rules for the selection procedure and criteria for individual degree programs are set forth in the appendix. The appendix is subdivided into the following:

- A. Bachelor's degree programs
- B. Master's degree programs

The degree programs are listed and numbered in alphabetical order.

Section 2

Selection of applicants

Section 5 subsection 2 sentence 1 UniZS:

The places available for first-year students pursuant to Section 5 subsection 2 number 1 UniZS will be awarded in accordance with the grade point average of the higher education entrance eligibility, unless otherwise provided for in the appendix.

Section 3

Selection of international applicants

International applicants (Section 6 subsection 1 UniZS) are selected in accordance with the provisions of Section 6 subsections 2 and 3 UniZS.

Section 4

Selection of applicants for a higher subject semester

(1) Unless otherwise provided in the appendix, available places (Section 13 subsection 1 UniZS) for a higher subject semester are allocated as follows:

- a) fifty percent in accordance with performance rendered during the previous degree program—in the event of equivalent performance then in accordance with the grade point average of the higher education entrance eligibility
- b) fifty percent in accordance with the grade point average of the higher education entrance eligibility—in the event of the same grade point average then in accordance with performance rendered during the previous degree program

(2) The ratio set forth in subsection 1 number 1 takes precedence over the ratio set forth in subsection 1 number 2.

(3) The material results of the selection procedure must be recorded.

Section 5
Selection of applicants
for a consecutive master's program

Applicants are selected for a consecutive master's degree program in accordance with Section 19 in conjunction with Section 16 subsection 2 number 1 UniZS based on the results of the first higher education degree, and where performance is equivalent, in accordance with the grade point average of the higher education entrance eligibility, unless otherwise provided for in the Appendix.

Section 6
Selection committee

The dean appoints a selection committee for special selection procedures. A selection committee must be comprised of at least one member, and for each member of the committee, a substitute must be appointed.

All members of the selection committee should be qualified to set examinations in the respective degree program. A student may participate in the selection committee in an advisory capacity.

Section 7
Reasonable accommodations

Reasonable accommodations will be granted on application where a student can demonstrate that disability has resulted in disadvantage against other applicants in selection and selection criteria. The disability representative must be consulted pursuant to Section 88 subsection 3 HmbHG.

Extensions of school and training periods because of a disability may not be assessed unfavorably against the applicant.

Section 8
Effective date

The bylaws become effective on the day following official publication by University of Hamburg. They apply from Winter Semester 2024/25.

Hamburg, 15 May 2024
University of Hamburg

Appendix to the Bylaws Regarding the Selection Procedure and Criteria for the Degree Programs in the Faculty of Mathematics, Informatics and Natural Sciences

A. Bachelor's degree programs

1. Bachelor of Science in Physics

Removed

B. Master's degree programs

1. Master of Science in Atmospheric Science

1.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Atmospheric Science, selection is based on the:

- a) results of the first higher education degree;
- b) comparability of the completed degree program with the Bachelor of Science in Meteorology at the Faculty of Mathematics, Informatics and Natural Sciences; and
- c) the motivations for studying taken from letter of motivation.

These criteria are evaluated in accordance with the grading scale specified in the Examination Regulations for the Master of Science in Atmospheric Science. Criteria a) and b) are weighted at 40 percent, criterion c) at 20 percent.

1.2 Selection is decided by a selection committee appointed by the examinations board of the Master of Science in Atmospheric Science.

2. Master of Science in Bioinformatics

2.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Bioinformatics, selection is based on:

- a) the results of the first higher education degree; and
- b) the comparability of the completed degree program with the Bachelor of Science in Computing in Science with a concentration in biochemistry at the Faculty of Mathematics, Informatics and Natural Sciences.

The criteria set forth in a) and b) are evaluated in accordance with the grading scale specified in the Examination Regulations for the Master of Science in Bioinformatics.

Criterion a) is weighted 40 percent and criterion b) at 60 percent.

2.2 If there are still places available after the selection procedure, then other applicants, if any, may be admitted in accordance with this procedure (alternates).

2.3 Selection is decided by a selection committee comprised of 3 teachers from the Master of Science in Bioinformatics, 2 of which have examiner qualifications.

3. Master of Science in Biology

3.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Biology, selection is based on:

3.1.1 Seventy percent of available places will be awarded in accordance with the results of the first higher education degree.

3.1.2 For the remaining 30 percent of available places, selection is based on:

a) the results of the first higher education degree. Evaluation of the grade of the first higher education degree may be supplemented by any of the following criteria:

b) the professional experience relevant to the Master of Science in Biology:

1. graduation from a vocational training program such as a biology, chemistry, or medical-technical assistant; biology or chemistry lab technician; gardener; animal caretaker; or other state-accredited educational program clearly related to the field of biology (0.3 points)

2. employment in a position related to the field of biology in which any part-time employment was at least 0.5 of a full-time working week (1–6 months = 0.1 points, more than 6–12 months = 0.2 points, longer than 12 months = 0.3 points; credit for separate employment positions may be added together to equal no more than 0.3 points)

3. nonuniversity internships related to the field of biology that were not credited as coursework (1–6 months = 0.1 points; more than 6–12 months = 0.2 points; longer than 12 months = 0.3 points; individual internships can be added together up to a maximum of 0.3 points), employment related to the field of biology as a student or research assistant or as a tutor, with at least 120 hours of working time = 0.1 points (separate employment positions may be added together)

c) Other qualifications:

1. at least 2 months of experience in a foreign country = 0.1 points; at least 6 months = 0.2 points
2. foreign language competence in excess of knowledge gained at secondary school German as a foreign language or another language as the native language will not be recognized (for each state-accredited certificate 0.1 points; maximum of 0.2 points)
3. elected student representative on a departmental student representative committee or other university body (for each year 0.1 points)

Points earned commensurate with b) and c) supplement the evaluation of the grade of the first higher education degree accordingly. Rankings are calculated based on the final grade resulting from the addition of the aforementioned points.

3.2 If there are still places available after the selection procedure pursuant to 3.1.2, then other applicants, if any, may be admitted in accordance with this procedure (alternates).

4. Master of Science in Business Mathematics

4.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Business Mathematics, selection is based on:

- a) the results of the first relevant higher education degree and duration of studies;
- b) the qualifications or professional experience relevant to the Master of Science in Business Mathematics, especially a degree in business mathematics; and
- c) an explanation of the student's desire and interest in advancing their academic education in this discipline (letter of motivation, applicant interview).

The criteria specified in b) and c) above are evaluated in accordance with the grading scale set forth in the Examination Regulations as amended. For the selection decision, the criterion specified in a) is weighted 60 percent; the criterion specified in b), 30 percent; and the criterion specified in c), 10 percent.

4.2 Selection is decided by a selection committee comprised of at least 3 university teachers with examination authorization for the Master of Science in Mathematics.

5. Master of Science in Data Science and Artificial Intelligence

5.1 If applications satisfying the special admission requirements exceed the number of places available in the Master of Science in Data Science and Artificial Intelligence, selection is based on:

- a) the results of the first higher education degree;
- b) the comparability of the completed degree program with the Bachelor of Science in Informatics or Computing in Science at the Faculty of Mathematics, Informatics and Natural Sciences; and
- c) the completion of an elective relevant to the master's degree as part of the bachelor's degree elective options, as well as relevant internships, professional experience, or proven participation in open source projects.

The criteria set forth in a)–c) are evaluated in accordance with the grading scale specified in the Examination Regulations for the Master of Science in Data Science and Artificial Intelligence. Criterion a) is weighted at 30 percent, criterion b) at 40 percent, and c) at 30 percent.

5.2 Selection is decided by a selection committee comprised of 3 teachers from the Master of Data Science and Artificial Intelligence, 2 of which with examiner qualifications.

6. Master of Science in Geophysics

6.1 If applications satisfying the special admission requirements exceed the number of places available for the Master of Science in Geophysics, selection is made according to the following:

6.1.1 Seventy-five percent of available places will be awarded in accordance with the results of the first higher education degree. In the event that grades are the same, then the decision is made based on the grade of the higher education entrance eligibility.

6.1.2 For the remaining 25 percent of available places, a group with twice as many applicants as available places will be created from the applicants from 6.1.1 yet to be considered because of the grade of the first higher education degree.

Final selection is based on:

- a) the results of the first higher education degree— the evaluation of the grade of the first higher education degree may be supplemented by any of the following criteria:
- b) the comparability of the completed degree program with the Bachelor of Science in Geophysics and Oceanography at the Faculty of Mathematics, Informatics and Natural Sciences

- c) the professional experience relevant to the master's degree
- d) other qualifications (e.g., experience in a foreign country or grade of the higher education entrance eligibility)
- e) an explanation of the student's desire and interest in advancing their academic education in this discipline

The criteria in b)–e) may be given a value of up to 5 points each. Fulfillment of any of these points improves the grade of the first higher education degree by 0.1. The ranking is created based on the arithmetic mean of the grade in accordance with a) and the grade calculated in accordance with the points awarded for the criteria set forth in b)–e).

6.2 If there are still places available after the selection procedure pursuant to 6.1.2, then other applicants, if any, may be admitted in accordance with this procedure (alternates).

6.3 The subject advisor makes the selection decision subject to the approval of the examinations board.

7. Master of Science in Informatics

7.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Informatics, selection is based on:

- a) the results of the first higher education degree;
- b) the comparability of the completed degree program with the Bachelor of Science in Informatics at the Faculty of Mathematics, Informatics and Natural Sciences;
- c) the professional experience and stays abroad relevant to the Master of Science in Informatics; and
- d) an essay describing the student's desire and interest in advancing their academic education in this discipline.

The criteria set forth in a)–d) are evaluated in accordance with the grading scale specified in the Examination Regulations for the Master of Science in Informatics. Criteria are weighted as follows: a) 30 percent, b) and c) each 25 percent, and d) 20 percent.

7.2 If there are still places available after the selection procedure, then other applicants, if any, may be admitted in accordance with this procedure (alternates).

7.3 Selection is decided by a selection committee comprised of 3 teachers with examiner qualifications from the Master of Science in Informatics program.

8. Master of Science in Intelligent Adaptive Systems

8.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Intelligent Adaptive Systems, selection is based on:

- a) the quality and content of the letter of motivation with respect to the student's desire and interest in advancing their professional education. The selection committee may conduct a telephone interview with an applicant in order to clarify any unanswered questions;
- b) the results of the first higher education degree and the comparability of the completed degree program with the Bachelor of Science in Informatics at the Faculty of Mathematics, Informatics and Natural Sciences at the University of Hamburg; and
- c) the professional experience and stays abroad relevant to the master's degree.

The criteria specified in a)–c) above are evaluated in accordance with the grading scale of 1–5. Criteria in a) are weighted at 40 percent; in b) and c), each at 30 percent.

8.2 Selection is decided by a selection committee comprised of 3 teachers from the Master of Science in Intelligent Adaptive Systems, 2 of which with examiner qualifications.

9. Master of Science in Integrated Climate System Sciences

9.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Integrated Climate Sciences, selection is based on:

- a) the results of the first higher education degree; and
- b) an explanation of the student's desire and interest in advancing their academic education in this discipline (motivation for submitting the application, applicant interview, or letter of motivation).

For selection, the criteria specified in a) and b) are evaluated in accordance with the grading scale in the Examination Regulations for the Master of Science in Integrated Climate System Sciences. Criteria a) and b) are both weighted 50 percent.

The arithmetic mean of the first higher education degree and the grade given to the student's letter of interest can be supplemented by any of the following:

- c) evidence of completed coursework amounting to at least 20 ECTS credits from the Master of Science in Integrated Climate System Sciences in subjects that complement physics and mathematics (courses on biogeochemistry, economics, and/or social sciences)
- d) at least 6 months' professional experience in a field related to the course of study (e.g., in research institutions focusing on earth systems and climate studies, including in governmental or nongovernmental organizations)
- e) at least 6 months' experience in a foreign country
- f) first-authorship publication in an ISI-listed journal in a subject area relevant to the degree program (e.g., earth system sciences, climate sciences, physics)

Criterion c) improves the evaluation of the grade by 0.2; each criterion under d)–f) improves the evaluation of the grade by 0.1. Rankings are calculated based on the resultant final grade.

9.2 If there are still places available after the selection procedure, then other applicants, if any, may be admitted in accordance with this procedure (alternates).

9.3 Selection is decided by a selection committee made up of the chair of the examinations board of the Master of Science in Integrated Climate System Sciences.

10. Master of Science in IT Management and Consulting

10.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in IT Management and Consulting, selection is based on:

- a) the results of the first higher education degree;
- b) the comparability of the completed degree program with the Bachelor of Science in Information Systems at the Faculty of Mathematics, Informatics and Natural Sciences at the University of Hamburg;
- c) the professional experience and stays abroad relevant to the master's degree; and
- d) an essay describing the student's desire and interest in advancing their professional education in this discipline—this includes the option of conducting a telephone interview with the candidate.

The criteria specified in a)–d) above are evaluated in accordance with the grading scale of 1–5. Criteria are weighted as follows: a) 30 percent, b) and c) each 25 percent, and d) 20 percent.

10.2 Selection is decided by a selection committee made up of the head of the degree program, a University professor, and a research associate.

11. Master of Science in Cosmetic Science

11.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Cosmetic Science, selection is based on the following:

11.2 All applications received before the application deadline will be considered for selection for the Master of Science in Cosmetic Science, provided the admission requirements have been satisfied by the first higher education degree.

If applications exceed the number of places available for selection for the Master of Science in Cosmetic Science, selection is made according to the following procedure:

11.3 Places are initially awarded in accordance with the grade of the first higher education degree.

Subsequently, applicants are divided into 3 groups based upon the first higher education degree:

Group 1: Applicants with a Bachelor of Science in Teacher Training in Vocational Education for Cosmetic Science from the University of Hamburg or a comparable degree program at another higher education institution. Students with a proven knowledge of chemistry (e.g., chemistry as a teaching subject) totaling at least 40 ECTS credits receive a grade bonus of 0.5.

Group 2: Applicants with a bachelor's degree in chemistry, biochemistry, food chemistry, pharmaceuticals, or a comparable degree program. Students with a proven knowledge of cosmetic science totaling at least 12 ECTS credits receive a grade bonus of 0.5.

Group 3: Applicants with a bachelor's degree in the natural sciences or a comparable degree and at least one year of practical experience or 60 ECTS credits in cosmetic science and/or chemistry (e.g., pertinent internships, professional experience, or work produced). This must include knowledge of inorganic chemistry, organic chemistry, and biochemistry, totaling at least 20 ECTS credits.

Group 1 and Group 2 are each allocated 45 percent of the available places.

Group 3 is allocated 10 percent of the places.

11.4 Places are awarded in accordance with the available places within each group. If not all available places are awarded within a group, these remaining places are

distributed amongst the other groups, whereby any remaining places are distributed to Group 3 last.

11.5 Selection is decided by a selection committee appointed by the office of the dean of the Faculty of Mathematics, Informatics and Natural Sciences.

12. Master of Science in Marine Ecosystem and Fisheries Science

12.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Marine Ecosystem and Fisheries Science, applications will be divided into 2 groups:

Group 1: applicants that have graduated with a Bachelor of Science in Marine Ecosystem and Fisheries Science from the University of Hamburg.

Group 2: applicants that have successfully completed another bachelor's degree program, provided they can substantiate at least 81 ECTS credits of completed coursework in natural science fundamentals from the following disciplines is comparable to the curriculum of the Bachelor of Science in Marine Ecosystem and Fisheries Science at the University of Hamburg:

- a) mathematics (incl. physics and bioinformatics, if available) totaling at least 6 ECTS and
- b) chemistry (general, inorganic, organic, and physical chemistry as well as biochemistry) totaling at least 6 ECTS credits and
- c) statistics totaling 9 ECTS credits and
- d) biology (including biological oceanography and fisheries science) totaling at least 60 ECTS credits

Group 1 will be allocated 70 percent of the available places; Group 2 will be allocated 30 percent.

Applicants in each group are selected in accordance with the overall results achieved in the undergraduate degree program.

Undergraduate results may be supplemented by fulfilling one or more of the following criteria:

The following criteria are considered:

- a) participation in a university exchange program (e.g., Erasmus or DAAD)
- b) nonuniversity internships (continuous for at least 4 weeks) with a clear focus on the content of the Master of Science in Marine Ecosystem and Fisheries Science
- c) international experience of at least 2 consecutive months (in particular as guest student)

- d) elected student representative on a departmental student representative committee or other university body (for each year 0.1 points)

Each of the criteria listed in a)–d) will supplement the evaluation of the undergraduate results by 0.1. Rankings are calculated based on the final grade resulting from the addition of the aforementioned points. Places not allocated to the first group will be allocated to the other group.

12.2 The selection committee makes selection decisions.

13. Master of Science in Mathematical Physics

13.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Mathematical Physics, selection is based on:

- a) the results of the first relevant higher education degree and duration of studies;
- b) the qualifications or professional experience relevant to the Master of Science in Mathematical Physics;
- c) other qualifications—for example, experience in a foreign country, English-language proficiency, capacity for teamwork, or grade of the higher education entrance eligibility; and
- d) an explanation of the student’s desire and interest in advancing their academic education in this discipline (letter of motivation, applicant interview).

13.2 Selection is decided by a selection committee comprised of at least 3 university teachers with examination authorization for the Master of Science in Mathematical Physics.

14. Master of Science in Mathematics

14.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Mathematics, selection is based on:

- a) the results of the first relevant higher education degree and duration of studies;
- b) the qualifications or professional experience relevant to the Master of Science in Mathematics; and
- c) an explanation of the student’s desire and interest in advancing their academic education in this discipline (letter of motivation, applicant interview).

The criteria specified in b) and c) above are evaluated according to the grading scale set forth in the Examination Regulations as amended.

For the selection decision, the criterion specified in a) is weighted at 50 percent; the criterion specified in b), 30 percent; and the criterion specified in c), 20 percent.

14.2 Selection is decided by a selection committee comprised of at least 3 university teachers with examination authorization for the Master of Science in Mathematics.

15. Master of Science in Molecular Life Sciences

15.1 All applications received before the application deadline (15 July) will be considered for selection for the Master of Science in Molecular Life Sciences, provided the admission requirements have been satisfied by the first higher education degree.

Applications will be divided into 2 groups:

Group 1: Applicants with the Bachelor of Science in Molecular Life Sciences from the University of Hamburg or a comparable degree program.

Group 2: Applicants with another bachelor's degree, provided that applicants can substantiate that at least 90 ECTS credits of completed coursework is comparable to the curriculum of the Bachelor of Science in Molecular Life Sciences at the University of Hamburg. In special cases, admission may be possible in contravention of the requirements if an applicant can furnish a bachelor's degree and substantiate that at least 70 ECTS credits are comparable to the curriculum of the Bachelor of Science in Molecular Life Sciences at the University of Hamburg as well as practical experience especially related to the degree program (e.g., relevant internships, professional experience, or work produced).

Group 1 will be allocated 70 percent of the available places; Group 2 will be allocated 30 percent.

Applicants are ranked within each group according to the results of the first higher education degree.

Places are awarded in accordance with the available places within each group. Places not allocated to the first group will be allocated to the other group.

15.2 Selection is decided by a selection committee comprised of members of the degree program joint committee.

16. Master of Science in Molecular Plant Science

If applications that completely satisfy the special conditions of admission exceeds the available places for the Master of Science in Molecular Plant Science, selection is based on:

- a) the results of the first higher education degree— the evaluation of the grade of the first higher education degree may be supplemented by any of the following criteria:
- b) participation in a university exchange program (e.g., Erasmus or DAAD)
- c) internships (of at least 4 weeks) with a clear connection to the subject matter of the Master of Science in Molecular Plant Science
- d) at least 2 months' experience in a foreign country.

Each of the points listed in b)–d) supplement the evaluation of the grade received for the first higher education degree by 0.1.

17. Master of Science in Ocean and Climate Physics

17.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Ocean and Climate Physics, selection is based on:

- a) the results of the first higher education degree;
- b) the motivations for studying (letter of motivation); as well as
- c) the comparability of the completed degree program with the Bachelor of Science in Geophysics and Oceanography at the Faculty of Mathematics, Informatics and Natural Sciences

In doing so, the criteria is evaluated in accordance with the grading scale set forth in the Examination Regulations for the Master of Science in Ocean and Climate Physics. Criterion a) is weighted 60 percent and criteria b) and c) are each weighted 20 percent.

17.2 If there are still places available after the selection procedure, then other applicants, if any, may be admitted in accordance with this procedure (alternates).

17.3 Selection is decided by a selection committee appointed by the examinations board of the Master of Science in Ocean and Climate Physics.

18. Master of Science in Physics

18.1 If applications that completely satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Physics, selection is made in accordance with the following criteria:

18.1.1 Seventy-five percent of available places will be awarded in accordance with the results of the relevant first higher education degree.

In the event that grades are the same, then the decision is made based on the grade of the higher education entrance eligibility.

18.1.2 For the remaining 25 percent of available places, selection will be made in accordance with the results of the relevant first higher education degree.

The evaluation of the grade of the first higher education degree may be supplemented by any of the following criteria:

- a) the relevant qualifications (e.g., internship, summer school) for the Master of Science in Physics or professional experience
- b) other qualifications such as experience abroad and working as part of a team
- c) an explanation of the student's desire and interest in advancing their academic education in this discipline (letter of motivation)

The criteria in a)–c) may be allocated up to 3 points each. One point improves the evaluation of the grade of the relevant first higher education degree by 0.1.

18.2 Selection is decided by a selection committee comprised of at least 3 university teachers with examination authorization for the Master of Science in Physics.

19. Master of Science in Physics

19.1 If applications satisfying the special admission requirements exceed the number of places available for the Master of Science in Physics, selection is based on the following:

19.1.1 Seventy-five percent of available places will be awarded in accordance with the results of the first higher education degree. In the event that grades are the same, then the decision is made based on the grade of the higher education entrance eligibility.

19.1.2 For the remaining 25 percent of available places, selection is made in accordance with the grade of the first higher education degree.

This grade may be supplemented with the following:

- a) qualifications or professional experience relevant to the Master of Science in Physics
- b) other qualifications (e.g., experience in a foreign country, English-language competence, capacity for teamwork, or grade of the higher education entrance eligibility)

c) an explanation of the student's desire and interest in advancing their academic education in this discipline (letter of motivation, applicant interview)

19.2 The criteria in a)–c) may be allocated up to 5 points each. One point improves the evaluation of the grade of the relevant first higher education degree by 0.1.

19.3 Selection is decided by a selection committee comprised of at least 3 teachers from the Master of Science in Physics who have examiner qualifications.

20. Master of Science in Industrial Mathematics

20.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Industrial Mathematics, selection is based on:

- a) the results of the first relevant higher education degree and duration of studies;
- b) the qualifications or professional experience relevant to the Master of Science in Industrial Mathematics, especially a bachelor's degree in industrial mathematics; and
- c) an explanation of the student's desire and interest in advancing their academic education in this discipline (letter of motivation, applicant interview).

The criteria specified in b) and c) above are evaluated according to the grading scale set forth in the Examination Regulations as amended.

For the selection decision, the criterion specified in a) is weighted at 50 percent; the criterion specified in b), 30 percent; and the criterion specified in c), 20 percent.

20.2 Selection is decided by a selection committee made up of at least 3 university teachers with examination authorization for the Master of Science in Industrial Mathematics.

21. Master of Science in Information Systems

21.1 If applications satisfying the special admission requirements exceed the number of places available for selection for the Master of Science in Information Systems, selection is based on:

- a) the results of the first higher education degree;
- b) the comparability of the degree program that has been completed to that of the Bachelor of Science in Information Systems at the Faculty of Mathematics, Informatics and Natural Sciences at the University of Hamburg;

- c) professional experience and stays abroad relevant to the Master of Science in Information Systems; and
- d) an essay describing the student's desire and interest in advancing their academic education in this discipline.

The criteria set forth in a)–d) are evaluated in accordance with the grading scale specified in the Examination Regulations for the Master of Science in Information Systems. Criteria are weighted as follows: a) 30 percent, b) and c) each 25 percent, and d) 20 percent.

21.2 If there are still places available after the selection procedure, then other applicants, if any, may be admitted in accordance with this procedure (alternates).

21.3 Selection is decided by a selection committee comprised of 3 teachers who have examiner qualifications and are from the Master of Science in Information Systems.

22. Master of Science in Wood Science

If applications exceed the number of places available for selection for the Master of Science in Wood Science, selection is based on the following:

- a) results of the first higher education degree
- b) participation in an academic exchange program (e.g., Erasmus, DAAD)
- c) professional experience in a field relevant to the course of study, traditionally vocational training that has been completed (a master craftsman certificate, e.g., joiner, carpenter, woodworking mechanic, wood merchant)
- d) completion of at least 2 months of specialized training in a field that qualifies for recognition (e.g., joinery, carpentry, timber trade, forestry operations)
- e) completion of one or more stays abroad (in each case at least 2 months) that evidences the accumulation of experience in the professional environment associated with the Master of Science in Wood Science or in academic institutions with related content
- f) submission of an explanation of the student's desire and interest in advancing their academic education in this discipline (letter of motivation)
- g) elected student representative on a departmental student representative committee or other university body
- h) evidence of at least 20 ECTS credits from the Bachelor of Science in Bio-Resource Management or equivalent coursework from other degree programs in addition to the admission-relevant 75 ECTS credits

To the extent any of the criteria listed in b)–g) have been completed, each improves the evaluation of the grade received for the first higher education degree by 0.1. To the extent the criterion set out above in h) is met, this will improve the evaluation of the grade by 0.1 for every additional 20 ECTS credits.