

OFFICIAL TRANSLATION OF

**Neufassung der Satzung über Auswahlverfahren
und -kriterien für die Studiengänge der Fakultät für
Mathematik, Informatik und Naturwissenschaften
(Amtliche Bekanntmachung Nr. 31 vom 28. Mai 2019)**

**THIS TRANSLATION IS FOR INFORMATION ONLY –
ONLY THE GERMAN VERSION SHALL BE LEGALLY
VALID AND ENFORCEABLE!**

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

dated 27 February 2019

On 30 April 2019 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 29 May 2018 (HmbGVBl. p. 200), the Executive University Board of Universität Hamburg ratified the Revised Bylaws Regarding the Selection Procedure and Criteria for the Degree Programs in the Faculty of Mathematics, Informatics and Natural Sciences that were adopted by the Faculty of Mathematics, Informatics and Natural Sciences on 27 February 2019.

Section 1

Scope

(1) In accordance with the HZG and the bylaws of Universität Hamburg for University 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 nos. 1 and subsection 2, no. 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 that are included in the university place allocation procedure of the Central Office.

(2) Furthermore, these bylaws shall also apply to the selection of applicants for a higher subject semester (Section 2 subsection 2 UNiZS) in restricted-admission degree programs or degree components as well as 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 number of places available for first-year students pursuant to Section 5 subsection 2 no. 1 UniZS shall 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

The selection of international applicants (Section 6 subsection 1 UniZS) shall be made 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 for in the appendix, available places (Section 13 subsection 1 UniZS) for a higher subject semester shall be awarded to applicants as follows:

1. 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.
2. 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 no. 1 shall be implemented prior to the ratio set forth in subsection 1 no. 2.

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

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

Applicants for a consecutive master's program in accordance with Section 19 in conjunction with Section 16 subsection 2 no. 1 UniZS shall be selected 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 shall appoint 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 be appointed to the selection committee and participate in an advisory capacity.

Section 7
Compensation for disadvantages

Upon the submission of an application, appropriate compensation for disadvantages shall be granted, provided that an applicant can credibly demonstrate that he or she has been placed at a disadvantage compared to other applicants in the selection procedure and selection criteria on account of a disability. 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 Universität Hamburg. They apply from Winter Semester 2019/20.

Hamburg, 28 May 2019
Universität 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

No special selection criteria set

B. Master's degree programs

1. Master of Science in Bioinformatics

1.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Bioinformatics, then selection is made according to:

- a) 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 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) shall be evaluated in accordance with the grading scale specified in the Examination Regulations for the Master of Science in Bioinformatics. Criteria shall be weighted as follows: a) 40 percent and b) 60 percent.

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

1.3 A selection committee comprised of at least three individuals who have examiner qualifications, of which two must have an examination authorization from the Center for Bioinformatics (ZBH), shall make selection decisions.

2. Master of Science in Biology

2.1 If the applications that completely satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Biology, then selection shall be made in accordance with the following:

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

2.1.2 For the remaining 30 percent of available places, selection is made according to:

- a) 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) Professional experience relevant to the Master of Science in Biology:
 - 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)
 - 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)
 - non-university internships with a biological focus 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 with a biological focus as a student or research assistant or as a tutor, with at least 120 hours of working time = 0.1 points (different employment can be added together)
- c) Other qualifications:
 - at least two months of experience in a foreign country = 0.1 points; at least six months = 0.2 points
 - foreign language competence above secondary school level proficiency. German as a foreign language or another language as the native language shall not be recognized (for each state-accredited certificate 0.1 points; maximum of 0.2 points)
 - 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.

2.2 If there are still places available after the selection procedure pursuant to 2.1.2, then other applicants, if any, may be admitted in accordance with this procedure (alternates).

3. Master of Science in Geophysics

3.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Geophysics, then selection shall be made in accordance with the following:

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

3.1.2 For the remaining 25 percent of available places, a group with twice as many applicants as there are available places shall be created from the applicants from 3.1.1 who have yet to be considered because of the grade of the first higher education degree. The final selection is made according to:

- a) 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 degree program that has been completed to that of the consecutive Bachelor of Science in Meteorology at the Faculty of Mathematics, Informatics and Natural Sciences
- c) Professional experience relevant to the Master of Science in Geophysics
- 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 to advance their academic education in this discipline

The criteria in b)–e) may be allocated up to 3 points each. One point 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).

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).

3.3 Subject to the approval of the examinations board, the subject advisor shall make selection decisions.

4. Master of Science in Industrial Mathematics

4.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in

Industrial Mathematics, then selection shall be made in accordance with the following:

The selection of applicants for available places is made according to the following criteria:

- a) The results of the first relevant higher education degree and duration of studies
- b) Qualifications or professional experience relevant to the Master of Science in Industrial Mathematics, especially a bachelor's degree in industrial mathematics
- c) An explanation of the student's desire and interest to advance their academic education in this discipline (motivation for submitting the application, applicant interview, or letter of motivation)

The criteria specified in b) and c) above shall be 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 at 50 percent, the criterion specified in b) 30 percent, and the criterion specified in c) 20 percent.

4.2 A selection committee comprised of at least three university teachers who have examination authorization and are from the Master of Science in Industrial Mathematics make selection decisions.

5. Master of Science in Informatics

5.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Informatics, then selection shall be made in accordance with the following:

- a) 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 Informatics at the Faculty of Mathematics, Informatics and Natural Sciences
- c) Professional experience and stays abroad relevant to the Master of Science in Informatics
- d) An essay describing the student's desire and interest to advance their academic education in this discipline

The criteria set forth in a)–d) shall be 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.

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

5.3 A selection committee comprised of three teachers who have examiner qualifications and who teach the Master of Science in Informatics program make selection decisions.

6. Master of Science in Intelligent Adaptive Systems

6.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Intelligent Adaptive Systems, then selection shall be made in accordance with the following:

- a) The quality and content of the letter of motivation with respect to the student's desire and interest to advance 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 degree program that has been completed to that of the Bachelor of Science in Informatics at the Faculty of Mathematics, Informatics and Natural Sciences at Universität Hamburg
- c) Professional experience and stays abroad relevant to the Master of Science in Intelligent Adaptive Systems

The criteria specified in a)–c) above are evaluated in accordance with the grading scale of 1–5. Criteria shall be weighted as follows: a) 40 percent and b) and c) each 30 percent.

6.2 A selection committee comprised of three teachers from the Master of Science in Intelligent Adaptive Systems, two of which with examiner qualifications, make selection decisions.

7. Master of Science in IT Management and Consulting

7.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in IT Management and Consulting, then selection shall be made in accordance with the following:

- a) 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 Informatics at the Faculty of Mathematics, Informatics and Natural Sciences at Universität Hamburg

- c) Professional experience and stays abroad relevant to the Master of Science in Intelligent Adaptive Systems
- d) An essay describing the student's desire and interest to advance 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.

7.2 A selection committee comprised of the head of the degree program, a University professor, and a research associate shall make selection decisions.

8. Master of Science in Cosmetic Science

8.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Cosmetic Science, then selection shall be made in accordance with the following:

8.2 All applications received before the application deadline shall be taken into consideration for the selection procedure for the Master of Science in Cosmetic Science, provided that the admission requirements have been satisfied by the first higher education degree. If applications exceed the number of places available for the selection procedure for the Master of Science in Cosmetic Science, then selection is made according to the following procedure:

8.3 Places shall initially be awarded in accordance with the grade of the first higher education degree. Moreover, applicants shall be divided into three 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 Universität 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 shall 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 shall receive a grade bonus of 0.3.

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).

Group 1 and Group 2 are each allocated 45 percent of the available places. Group 3 is allocated 10 percent of the places.

8.4 Places shall be awarded in accordance with the available places within each group. If within a group not all available places are awarded, then these remaining places shall be distributed amongst the other groups, whereby any remaining places shall be distributed to Group 3 last.

8.5 A selection committee appointed by the office of the dean of the Faculty of Mathematics, Informatics and Natural Sciences shall make selection decisions.

9. Master of Science in Marine Ecosystem and Fisheries Science

9.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Marine Ecosystem and Fisheries Science, applications shall be divided into two groups:

Group 1: Applicants that have graduated with a Bachelor of Science in Marine Ecosystem and Fisheries Science from Universität Hamburg.

Group 2: Applicants that have a degree from another bachelor's degree program, provided that applicants can substantiate that 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 Universität 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

Seventy percent of the available places shall be distributed to Group 1 and 30 percent to Group 2. Applicants shall be selected in each group in accordance with the overall results achieved in the undergraduate degree program.

Undergraduate results may be supplemented by fulfilling the criteria of any of the following: The following criteria shall be considered:

- a) Participation in a university exchange program (e.g., Erasmus or DAAD)
- b) Non-university internships (continuous for at least four 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 two consecutive months (in particular “free-mover”)
- d) Elected student representative on a departmental student representative committee or other university body (for each year 0.1 points)

Each of the criteria completed 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 awarded within one group shall be allocated to the other group.

9.2 The selection committee shall make selection decisions.

10. Master of Science in Mathematical Physics

10.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Mathematical Physics, then selection shall be made in accordance with the following:

The selection of applicants for available places is according to the following criteria:

- a) The results of the first relevant higher education degree and duration of studies
- b) Qualifications or professional experience relevant to the Master of Science in Mathematical Physics
- c) Other qualifications as, for example, experience in a foreign country, English-language competence, capacity for teamwork, or grade of the higher education entrance eligibility
- d) An explanation of the student’s desire and interest to advance their academic education in this discipline (letter of motivation, applicant interview)

10.2 A selection committee comprised of at least three university teachers who have examination authorization and are from the Master of Science in Mathematical Physics shall make selection decisions.

11. Master of Science in Mathematics

11.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Mathematics, then selection shall be made in accordance with the following:

The selection of applicants for available places is made according to the following criteria:

- a) The results of the first relevant higher education degree and duration of studies
- b) Qualifications or professional experience relevant to the Master of Science in Mathematics
- c) An explanation of the student's desire and interest to advance their academic education in this discipline (letter of motivation, applicant interview)

The criteria specified in b) and c) above shall be 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 at 50 percent, the criterion specified in b) 30 percent, and the criterion specified in c) 20 percent.

11.2 A selection committee comprised of at least three university teachers who have examination authorization and are from the Master of Science in Mathematics shall make selection decisions.

12. Master of Science in Meteorology

12.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Meteorology, then selection shall be made in accordance with the following:

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

12.1.2 For the remaining 25 percent of available places, a group with twice as many applicants as there are available places shall be created from the applicants from 12.1.1 who have yet to be considered because of the grade of the first higher education degree. The final selection is made according to:

- a) Results of the first higher education degree The grade of the first higher education degree may be supplemented by any of the following:

- b) The comparability of the degree program that has been completed to that of the Bachelor of Science in Geophysics and Oceanography at the Faculty of Mathematics, Informatics and Natural Sciences
- c) Professional experience relevant to the Master of Science in Geophysics
- 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 to advance their academic education in this discipline

The criteria in b)–e) may be allocated up to 3 points each. One point 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).

12.2 If there are still places available after the selection procedure pursuant to 12.1.2, then other applicants, if any, may be admitted in accordance with this procedure (alternates).

12.3 Subject to the approval of the Examinations Board, the subject advisor shall make selection decisions.

13. Master of Science in Molecular Life Sciences

13.1 All applications that have been received before the application deadline (15 July) shall be taken into consideration for the selection procedure for the Master of Science in Molecular Life Sciences, provided that the admission requirements have been satisfied by virtue of the first higher education degree.

Applications shall be divided into two groups:

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

Group 2: Applicants with a bachelor's degree from another bachelor's degree program, provided that those 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 Universität 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 Universität Hamburg as well as practical experience especially related to the degree program (e.g., pertinent internships, professional experience, or work produced).

Seventy percent of the available places shall be distributed to Group 1 and 30 percent to Group 2. Applicants shall be ranked within each group according to the results of the first higher education degree. Places shall be awarded in accordance with the available places within each group. Places not awarded within one group shall be allocated to the other group. A selection committee comprised of members of the degree program joint committee shall make selection decisions.

14. Master of Science in Molecular Plant Science

If the applications that completely satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Molecular Plant Science, then selection shall be made in accordance with the following:

- 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 four weeks) with a clear connection to the subject matter of the Master of Science in Molecular Plant Science
- d) At least two months' experience in a foreign country

Each of the activities completed in b)–d) will supplement the evaluation of the grade received for the first higher education degree by 0.1. Rankings are calculated based on the final grade resulting from the addition of the aforementioned points.

15. Master of Science in Ocean and Climate Physics

15.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Ocean and Climate Physics, then selection shall be made in accordance with the following:

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

15.1.2 For the remaining 25 percent of available places, a group with twice as many applicants as there are available places shall be created from the applicants from 15.1.1 who have yet to be considered because of the grade of the first higher education degree. The final selection is made according to:

- a) 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 degree program that has been completed to that of the Bachelor of Science in Meteorology at the Faculty of Mathematics, Informatics and Natural Sciences
- c) Professional experience relevant to the Master of Science in Ocean and Climate Physics
- 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 to advance their academic education in this discipline

The criteria in b)–e) may be allocated up to 3 points each. One point 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).

15.2 If there are still places available after the selection procedure pursuant to 15.1.2, then other applicants, if any, may be admitted in accordance with this procedure (alternates).

15.3 Subject to the approval of the Examinations Board, the subject advisor shall make selection decisions.

16. Master of Science in Physics

16.1 If the 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, then selection shall be made in accordance with the following criteria:

16.1.1 Seventy-five percent of available places shall 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 will be made based on the grade of the higher education entrance eligibility.

16.1.2 For the remaining 25 percent of available places, selection shall 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) According to 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 to advance 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.

16.2 A selection committee comprised of at least three university teachers who have examination authorization and are from the Master of Science in Physics shall make selection decisions.

17. Master of Science in Physics

17.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Physics, then selection shall be made in accordance with the following:

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

17.1.2 For the remaining 25 percent of available places, selection shall be 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 to advance their academic education in this discipline (letter of motivation, applicant interview)

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

17.3 A selection committee comprised of at least three teachers who have examiner qualifications and are from the Master of Science in Physics shall make selection decisions.

18. Master of Science in Industrial Mathematics

18.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Industrial Mathematics, then selection shall be made in accordance with the following:

The selection of applicants for available places is made according to the following criteria:

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

The criteria specified in b) and c) above shall be 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 at 50 percent, the criterion specified in b) 30 percent, and the criterion specified in c) 20 percent.

18.2 A selection committee comprised of at least three university teachers who have examination authorization and are from the Master of Science in Industrial Mathematics shall make selection decisions.

19. Master of Science in Information Systems

19.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Information Systems, then selection shall be made in accordance with the following:

- a) 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 Universität Hamburg
- c) Professional experience and stays abroad relevant to the Master of Science in Information Systems
- d) An essay describing the student's desire and interest to advance their academic education in this discipline

The criteria set forth in a)–d) shall be evaluated in accordance with the grading scale specified in the Examination Regulations for the Master of Science in Information

Systems. Criteria shall be weighted as follows: a) 30 percent, b) and c) each 25 percent, and d) 20 percent.

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

19.3 A selection committee comprised of three teachers who have examiner qualifications and are from the Master of Science in Information Systems shall make selection decisions.

20. Master of Science in Business Mathematics

20.1 If the applications that satisfy the special admission requirements exceed the number of places available for the selection procedure for the Master of Science in Business Mathematics, then selection shall be made in accordance with the following: The selection of applicants for available places is made according to the following criteria:

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

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

20.2 A selection committee comprised of at least three university teachers who have examination authorization and are from the Master of Science in Business Mathematics shall make selection decisions.

21. Master of Science in Wood Science

If applications exceed the number of places available for the selection procedure for the Master of Science in Wood Science, then selection shall be made in accordance with 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) The completion of specialized training in a field that qualifies for recognition (examples: joinery, carpentry, timber trade, forestry operations) for a period of at least two months
- e) The completion of one or more stays abroad (in each case at least two 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) The submission of an explanation of the student's desire and interest to advance 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, which can be substantiated in addition to the admission-relevant 75 ECTS credits

To the extent that each of the criteria listed in letters b)–g) have been completed, each improves the evaluation of the grade received for the first higher education degree by 0.1. If the selection criterion set out in letter (h) above is met, this will improve the evaluation of the grade by 0.1 for each 20 additional ECTS credits. Rankings are calculated based on the final grade resulting from the addition of the aforementioned points.