

**Specific Admission Regulations  
to the Master's Degree Programme in Geodesy and  
Geoinformatics at HafenCity University Hamburg (HCU)  
(BZO-MSc-Geo-24)  
from 11 December 2024**

Based on Section 10(1) of the Higher Education Admissions Act [*Hochschulzulassungsgesetz, HZG*] of 28 December 2004 (HmbGVBl. 2004, p. 515) in the version of 18 May 2018 (Hamburg Government Gazette [*Hamburgisches Gesetz- und Verordnungsblatt, HmbGVBl.*] 2018, p. 188), Sections 39(1) and 37(2) in conjunction with Section 85(1) no. 1 of the Hamburg Higher Education Act [*Hamburgisches Hochschulgesetz, HmbHG*] of 18 July 2001 (HmbGVBl. 2001, p. 171) in the version of 12 December 2019 (HmbGVBl. 2019, p. 479), the University Senate of HCU on 11 December 2024 adopted the following Specific Admission Regulations (*Besondere Zulassungsordnung, BZO*) to the Master's Degree Programme in Geodesy and Geoinformatics at HafenCity University Hamburg (BZO-MSc-Geo-24).

At its meeting on 17 December 2024, the Governing Authority approved them in accordance with Section 108(1) sentence 3 HmbHG.

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**Section 1  
Scope**

These regulations define the admission requirements and selection criteria in accordance with Section 18(1) of the General Admission Regulations (AZO) (HCU Gazette 02/2020, p. 11) for the allocation of study places for the Geodesy and Geoinformatics (Master of Science) degree programme.

## **Section 2**

### **Requirements for Admission**

- (1) Admission to the Master of Science in Geodesy and Geoinformatics degree programme requires a successfully completed qualifying university degree in Geodesy and Geoinformatics or in a related geoscientific, technical or engineering degree programme in accordance with Section 18(1) AZO. The Admissions Committee decides on classification as a related degree programme.
- (2) If the result of the first qualifying university degree pursuant to Section 18(1) AZO is not available, Section 18(2) to (4) AZO applies.
- (3) When applying for admission, the applicant must specify the desired specialisation. The applicant can choose between the specialisations “Geodesy”, “Geoinformatics” or “Hydrography”. Only one specialisation can be chosen when applying for admission.
- (4) If specialisation in Hydrography is chosen, admission to the degree programme requires verification of sufficient knowledge of English as the language of instruction. Sufficient language skills are verified by submitting one of the following certificates:
  1. A certificate confirming that the applicant has passed an internationally recognised language test:
    - a. Test of English as a Foreign Language (TOEFL) as an internet-based test (TOEFL iBT) with a score of at least 88, as TOEFL ITP test with a score of at least 570 or
    - b. International English Language Testing System - Academic Test (IELTS) with at least band 6.0 or
    - c. TELC with at least level B2 or
    - d. Cambridge Preliminary English Test + Grade A (PET) or
    - e. Cambridge First Certificate in English + Grade B or C (FCE) or
    - f. UNIcert II or
    - g. Pearson PTE Academic with at least 70 Points or
  2. A certificate attesting to studying full-time in an English-speaking study programme of at least one year.
  3. A certificate for higher advanced technical college entrance qualification (Fachhochschulreife) or of the 12<sup>th</sup> or 13<sup>th</sup> grade of High School senior classes with the grade “good” (at least 2,3 or 10 points according to the grading system of the German school system) for the subject “English” or
  4. At least five years of attendance at a general education school where English is the language of instruction.
- (5) Furthermore, admission to the study programme requires proof of prior education in specific areas

A)

For the specialisation of **Geodesy**:

Proof of prior education in all of the following subject areas

- Geodetic measurement and evaluation methods
- Mathematics
- Statistics and adjustment computations

And four of the following subject areas

- Geodetic networks
- Geodata analysis
- Engineering Geodesy
- Photogrammetry
- Framework systems
- Satellite Geodesy
- Programming / Informatics

For the specialisation of **Geoinformatics**

Proof of prior education in three of the following subject areas

- (Geo-)Databases
- Geodata analysis
- Geovisualisation (e.g. Cartography)
- Programming
- Statistics
- Geodetic measurement and evaluation methods

For the specialisation of **Hydrography**

Proof of prior education in three of the following subject areas

- Geodetic measurement and evaluation methods
- Geodetic networks
- Geodata analysis
- Statistics and adjustment computations
- Photogrammetry
- Framework systems
- Remote sensing
- Oceanography
- Geophysics

- Marine Geology
- Hydrography (also Cat B)

As proof of this the applicants have to hand in certification as well as explanations to the content of the necessary modules mentioned above (e.g. module descriptions, extracts from the course catalogue or independent description of the contents) in German or English.

The Admissions Committee decides on the recognition of prior education. If there is significant difference to the subject matters of the modules that are offered at HCU, the proof of prior education can be rejected. A rejection has to be justified.

Or

B)

The necessary knowledge that has been acquired through subject-specific practical experience during or after the professionally qualifying graduation, that correspond to at least a full-time employment of six months (35 hours/week). As proof of this work experience the applicant has to hand in a work certificate that shows the time, number of hours and specific tasks in German or English.

The Admissions Committee decides on whether the criteria for knowledge of surveying technology has been met.

### **Section 3 Selection Procedure**

- (1) A selection procedure is conducted in accordance with Part 3 AZO if the number of applicants for admission to a degree programme in accordance with Section 2 AZO exceeds the number of places available. The ranking list in accordance with Section 19(1) no. 3 a) AZO is derived by awarding points in accordance with the following provisions.
- (2) In accordance with Section 22 (1) AZO, ECTS-grading (maximum score: 30) and absolute grade (maximum score: 20) of the first qualifying university degree or previous coursework (maximum total score: 50):

#### **1. ECTS-grading:**

A (30 points); B (20 points); C (10 points) D and E (0 points)

If a degree with ECTS-grading has not yet been acquired, but a valid ECTS-grading table of the university concerned is available for the respective graduation year, points are awarded for the result of the previous coursework according to this grading table as follows:

for the best 10%:	30
points for the following best 25%:	20
points for the following 30%:	10
points for the last 35%:	0
points	

If no ECTS grading or a valid ECTS-grading table can be presented by submitting an equivalent certificate from the issuing university, the classification will be made according to the average and standard deviation for the degree programmes for the

respective university collected by the German Science and Humanities Council (Wissenschaftsrat) in 2012 (Examination grades at universities in the 2010 examination year: working report (*Prüfungsnoten an Hochschulen im Prüfungsjahr 2010: Arbeitsbericht*), Hamburg 2012). If the issuing university is not listed by the Science and Humanities Council (Wissenschaftsrat) the classification is made according to the average and standard deviation for the degree programmes of all German universities.

If neither an ECTS grading or valid ECTS-grading table nor a certificate from the issuing university stating that neither can be provided, the applicant will receive 0 points. If the applicant acquired the academic degree in a non-EU country the equivalent certificate can be replaced by a credible statement.

2. Absolute grade of the first qualifying university degree or previous coursework:

1.0 (20); 1.1 (19); 1.2 (18); 1.3 (17); 1.4 (16); 1.5 (15); 1.6 (14); 1.7 (13); 1.8 (12); 1.9 (11); 2.0 (10); 2.1 (9); 2.2 (8); 2.3 (7); 2.4 (6); 2.5 (5); 2.6 (4); 2.7 (3); 2.8 (2); 2.9 (1);  $\geq 3.0$  (0)

- (3) Subject-specific periods of professional practice during or after the qualifying university degree, equivalent to at least six months of full-time employment (35 hours per week): 15 points.

#### **Section 4 Final Provisions**

These regulations come into force upon publication in the HCU Gazette and apply for the first time to the application and admissions process for winter semester 2025/2026.

At the same time, the Specific Admission Regulations for the Master's Degree Programme in Geodesy and Geoinformatics at HafenCity University Hamburg (HCU) (BZO-MSc-Geo-20) of 19 February 2020 (HCU Gazette 02/2020, p. 39) shall cease to be in force.

Hamburg, 07 February 2025

HafenCity University Hamburg