Admission Regulations
for Information Engineering and Computer Science M.Sc. of the Faculty of Communication and Environment of Rhine-Waal University of Applied Sciences

Dated 10 February 2021

(Official Notice 23/2021)

As amended by the

First amending statutes

Dated 27 October 2022

(Official Notice 2/2023)

In accordance with Section 2 (4) sentence 1, Section 49 and Section 64 (1) of the Higher Education Act of North Rhine-Westphalia (*Hochschulgesetz, HG NRW*), in the amended form produced by the Act for the Future Development of Universities (*Hochschulzukunftsgesetz*) of 16 September 2014 (GV.NRW. 2014, p. 547), which entered into force on 1 October 2014 and was last amended by the Act of 30 June 2022 (GV.NRW., p. 780b), which entered into force on 1 July 2022, as well as in accordance with the General Examination Regulations for Bachelor's and Master's Degree Programmes of Rhine-Waal University of Applied Sciences (RPO) from 3 January 2018 (Official Notice 07/2018), as amended by the third amending statutes from 29 April 2022 (Official Notice 07/2022), the Faculty Council of the Faculty of Communication and Environment of Rhine-Waal University of Applied Sciences has issued the following first amending statutes for the Admission Regulations for Information Engineering and Computer Science M.Sc. dated 10 February 2021 (Official Notice 23/2021):

Section 1
Scope

(1)   These regulations govern admission to Information Engineering and Computer Science M.Sc. at the Faculty of Communication and Environment at Rhine-Waal University of Applied Sciences.

(2)   Admission requirements are set forth in Section 2.

Section 2
Admission requirements

(1)   The admission requirements for Information Engineering and Computer Science M.Sc. are:

   1.   A professionally-qualifying bachelor's degree in a related field (defined in the annex) that comprised at least 210 total credits (ECTS) or a standard duration of at least seven full-time semesters

   2.   A final cumulative grade for said degree of 2.3 or better on the German grading scale (equivalent to an "A" or a "B" on the ECTS grading scale)

   3.   Advanced proficiency in English, confirmed by a recognised language certificate for level B2 or better (CEFR).

   4.   Applicants must also have successfully obtained at least 20 credits (ECTS) in the following subjects in their professionally-qualifying bachelor's degree: programming, software engineering, database systems and communication systems. In addition, applicants must have successfully obtained at least 10 credits in mathematics.

(2)   International applicants whose qualifications are not considered equivalent to those of German applicants by international treaty must also pass an academic aptitude test in addition to the minimum requirements defined in subsection (1). Only the following aptitude tests and scores are accepted:

   1.   TestAS (minimum combined score of 100 for the core test and the engineering test)

   2.   Graduate Aptitude Test in Engineering (GATE) in the areas defined in the annex, or

   3.   Graduate Record Examination (GRE) with minimum scores of Q = 160, V = 145 and A = 4.5.

(3)   Deviating from subsection (1) number 1, prospective students who are applying on the basis of a professionally-qualifying bachelor's degree that comprised between 180 and 210 credits (ECTS) or had a full-time study duration of at least six semesters may be admitted on a provisional basis, generally on the condition that the missing bachelor's requirements are completed during their postgraduate studies. The Examination Board and the applicant will conclude a formal learning agreement defining both the total number of missing credits and the specific modules to complete. In addition to completing additional modules, applicants may also request credit recognition for prior learning or qualifications that are considered equivalent to undergraduate-level academic results. Prior learning or qualifications that have been recognised for credit will be recorded in the final grade certificate, but will not contribute to the student's grade point average.

(4)   The Examination Board is responsible for decisions on the relevancy of an applicant's bachelor's degree per subsection (1) number 1 based on submitted documentation and, if necessary, a technical discussion with the applicant. The relevancy requirement is considered met if an applicant's bachelor's degree was in the same field or discipline as the master's degree. For other types of qualifications, applicants must demonstrate a level of technical expertise comparable both in scope and content to an bachelor's degree programme as defined by sentence 2.

(5)   Applicants are exempted from the English language certificate requirement if they have reached at least the B2 level for English as a result of earning their general or subject-specific university entrance qualification. This is considered the case for applicants who

have successfully completed at least seven years of English at a German secondary school and earned a final grade for the subject of at least "sufficient" (4.0 or better on the German grading scale).

(6) Applicants may request an exemption from the language certificate requirement defined in subsection (1) number 3. Requests are justified, for example, for persons applying on the basis of a professionally-qualifying bachelor's degree that was taught in English and obtained in one of the countries recognised as majority English-speaking in the annex. The Examination Board will decide on these requests. The English language requirement is considered met for applicants who completed their professionally-qualifying bachelor's degree in English at Rhine-Waal University of Applied Sciences.

(7) Applicants are ineligible for admission if they have previously failed the final attempt at a mandatory examination in an identical degree programme at a university that is subject to German Basic Law. This also applies to degree programmes that share a significant overlap in content with the degree programme at Rhine-Waal University of Applied Sciences.

Section 3
Admission process

Admission to this degree programme is decided by a formal process. Application documents must be submitted before the deadline to the admissions department of Rhine-Waal University of Applied Sciences and contain the following:

1. A final degree certificate for a qualifying bachelor's degree programme as well as supporting documentation (transcript of records, diploma supplements etc.) that provides a detailed overview of the degree programme, but in particular the applicant's individual progress, completed modules, graded examinations and coursework, and the qualifications profile of the degree programme itself. If the applicant's prior university or vocational academy does not issue the aforementioned documentation for the completed degree programme, other meaningful documentation must be submitted instead (e.g. performance records).

2. If a final degree certificate has not yet been issued, tentative graduation documents and/or a current transcript of records or other meaningful documentation as defined under no. 1 above must be submitted instead.

Section 4
Intake and application deadlines

(1) Information Engineering and Computer Science M.Sc. is open to new applicants for both the winter and summer semesters.

(2) Applications must be received by Rhine-Waal University of Applied Sciences by no later than 15 July for intake in the winter semester, or 15 January for intake in the summer semester.

(3) For more information, please refer to the Enrolment Regulations of Rhine-Waal University of Applied Sciences.

Section 5
Entry into force

These Admission Regulations shall enter into force on the day of publication in the Official Notices of Rhine-Waal University of Applied Sciences.

Note: These Admission Regulations entered into force on 1 April 2023.

Annex 1: Degree programmes considered relevant for admission to Information Engineering and Computer Science M.Sc. in accordance with Section 2 (1) no. 1

Qualifying degree programmes should include units connected to computer science / informatics. A bachelor's degree in one of the following fields is considered relevant:

- Mechatronics / Robotics

- Bionics / Biomimetics

- Informatics / Computer Science and derivatives

- Electrical/Electronic Engineering

- Administrative Computer Science / E-Government

- Media Communication and Computer Sciences

- Mobility and Logistics

- Environment and Energy

- Communication and Information Engineering

Bachelor's degrees in fields not listed above can also be considered qualifying if they contain a large amount of content in computer science, the natural sciences or technology.

Annex 2: The following countries are recognised as majority English-speaking:

- Antigua and Barbuda
- Australia
- Bahamas
- Barbados
- Belize
- Dominica
- Grenada
- Guyana
- Ireland
- Jamaica
- Canada
- New Zealand
- St. Kitts and Nevis
- St. Lucia
- St. Vincent and the Grenadines
- Trinidad and Tobago
- The United Kingdom of Great Britain and Northern Ireland
- United States of America

Annex 3: Accepted GATE tests:

AE: Aerospace Engineering

AG: Agricultural Engineering

BM: Biomedical

BT: Biotechnology

CE: Civil Engineering

CH: Chemical Engineering

CS: Computer Science and Information Technology

CY: Chemistry

EC: Electronics & Communication Engineering

EE: Electrical Engineering

ES: Environmental Science and Engineering

EY: Ecology and Evolution

GG: Geology and Geophysics

NM: Naval Architecture and Marine Engineering

IN: Instrumentation Engineering

MA: Mathematics

ME: Mechanical Engineering

PH: Physics

PI: Production and Industrial Engineering

ST: Statistics

GE: Geomatics Engineering

XE- (all): All engineering sciences

XL- (all): All life sciences