Admission Regulations for Mechanical Engineering M.Sc. and Bionics M.Sc. of the Faculty of Technology and Bionics of Rhine-Waal University of Applied Sciences

Dated 14 November 2018

(Published in Official Notices 27/2019)

In accordance with Section 2 (4) sentence 1, Section 49 (6), and Section 64 of the Higher Education Act of North Rhine-Westphalia [Hochschulgesetz 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), last amended by the Act of 17 October 2017 (GV.NRW. 2017, p. 806) and the General Examination Regulations for Bachelor's and Master's Degree Programmes at Rhine-Waal University of Applied Sciences (RPO) from 3 January 2018 (Official Notices 07/2018), the Faculty Council of the Faculty of Technology and Bionics of Rhine-Waal University of Applied Sciences has enacted the following Admission Regulations for the degree programmes Mechanical Engineering M.Sc. and Bionics M.Sc.:

Section 1
Scope of Application

(1) These regulations govern admission to the degree programmes Mechanical Engineering M.Sc. and Bionics M.Sc., offered by the Faculty of Technology and Bionics of Rhine-Waal University of Applied Sciences.

(2) Admission requirements are defined in Section 2.

Section 2
Admission Requirements

(1) The minimum requirements for admission to these degree programmes are:

1. a professionally-qualifying undergraduate degree in a related field as defined in the annex which comprised at least 210 total ECTS credits or a full-time study duration of at least seven semesters;

2. a final cumulative grade for said undergraduate degree of at least 2.5 or better according to the German grading scale, equivalent to an "A" or a "B" on the ECTS grading scale;

3. at least C1 level proficiency in English according to the CEFR, verified by an internationally recognised language certificate.

(2) Applicants who did not acquire their undergraduate degree (Section 2 (1) number 1) from a university located in Germany or a signatory country of the Bologna Accord must demonstrate, in addition to the requirements in Section 2 (1), their suitability for these degree programmes via an additional aptitude test in accordance with Section 49 (9) of the Higher Education Act of North Rhine-Westphalia. Only the following aptitude tests and scores will be accepted:

- TestAS (minimum combined score of 100 for the core test and the engineering test)
- Graduate Aptitude Test in Engineering (GATE), or
- Graduate Record Examination (GRE) with minimum scores of Q = 160, V = 145 and A = 4.5

(3) Deviating from subsection 1 number 1, if an applicant applies on the basis of a professionally-qualifying undergraduate degree consisting of fewer than 210 credits or a full-time study duration of fewer than seven semesters, said applicant may be admitted on a provisional basis, provided that he or she completes the missing undergraduate requirements during his or her postgraduate studies (refer to Section 4a (4) RPO). In addition to completing additional modules, applicants may also request credit for prior learning or qualifications equivalent to the aims and objectives of the missing undergraduate requirements. Periods of prior learning or qualifications that have been recognised for credit will be recorded in the final grade certificate, but not included in final grade calculations.

(4) The Examination Board is responsible for decisions concerning the relevancy of an applicant's undergraduate degree according to subsection 1 number 1 on the basis of submitted documentation and, if necessary, a technical discussion with the individual applicant. In general, the relevancy requirement is considered fulfilled if an applicant's undergraduate degree was in a field corresponding to the master's degree specialisation for which he or she is applying. In the event of other qualifications, applicants must demonstrate a level of technical expertise corresponding both in scope and content to an undergraduate degree as defined by sentence 2.

(5) Applicants may request an exemption from the language certificate requirement defined in subsection 1 number 3. Requests are justified, for example, in the case of applicants who completed an undergraduate degree in English and in a majority English-speaking country. The Examination Board is responsible for deciding on these requests. If an applicant completed his or her professionally-qualifying undergraduate degree in English at Rhine-Waal University of Applied Sciences, the English language requirement is considered fulfilled.

(6) Applicants are ineligible for admission if they have previously failed the final attempt at a mandatory examination in the same degree programme at a university subject to German Basic Law. This shall also apply to degree programmes that share a significant overlap in content with the previous degree programme.

Section 3
Intake and Application Deadlines

(1) Mechanical Engineering M.Sc. and Bionics M.Sc. accept new applicants in 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 winter semester intake or 15 January for summer semester intake.

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

Section 4
Entry into Force

These Admission Regulations shall enter into force on the day their publication in the Official Notices of Rhine-Waal University of Applied Sciences. The previously valid Admission Regulations for Mechanical Engineering, M.Sc. shall expire at the same time.

Issued on the basis of a resolution of the Faculty Council of the Faculty of Technology and Bionics of Rhine-Waal University of Applied Sciences from 14 November 2018 and of the Executive Board of Rhine-Waal University of Applied Sciences from 19 March 2019.

Note:

These examination Admission Regulations entered into force on 21 August 2019.

Degrees fulfilling the relevancy requirement for admission to Mechanical Engineering M.Sc. according to Section 2 (1) number 1

A degree in the following fields is considered relevant:

- Mechanical Engineering

or a degree programme with similar emphasis areas as a degree in mechanical engineering

- Mechatronics / Systems Engineering
- Industrial Engineering
- Materials Science / Materials Engineering
- Vehicle Technology / Automotive Engineering
- Aerospace Engineering
- Manufacturing/Production Technology/Engineering
- Automation Technology Engineering
- Process Engineering

Undergraduate degrees in the following fields can be accepted on a case-by-case basis depending on documentation (module/course descriptions) submitted to the Examination Board during the application phase:

- Electrical Engineering / Electronics
- Environment Technology/Engineering
- Logistics
- Computer Science/Engineering
- Energy Technology
- Bionics
- Physics

Degrees fulfilling the relevancy requirement for admission to Bionics M.Sc. in accordance with Section 2 (1) number 1

A degree in the following fields is considered relevant:

- Mechatronics / Robotics
- Bionics / Biomimetics
- Informatics / Computer Science and derivatives
- Electrical/Electronic Engineering
- Mechanical Engineering and derivatives like Aerospace, Marine, Automotive, Naval
- Automation Engineering
- Materials Science/Engineering

Undergraduate degrees in the following fields can be accepted on a case-by-case basis depending on documentation (module/course descriptions) submitted to the Examination Board during the application phase:

- Biology / Zoology / Botany / Ecology / Oceanography
- Chemistry / Physics / Mathematics
- Bioengineering / Microbiology
- Architecture / Civil Engineering
- Other Engineering