6.40.65E Study programme-specific admission regulations (SZZB) for the consecutive Master's programme in Computer Science at the Clausthal University of Technology, Faculty of Mathematics/Computer Science and Mechanical Engineering dated 30 October 2018

According to § 9 General Admission Regulations for all consecutive and continuing education Master´s Programmes at the Technical University Clausthal (AZO-M) (Notifications TUC 2019 page 88)

1) Determination of the procedure (see §1 section 3 AZO-M)

For the above-mentioned Master's programme, an admissions procedure will be carried out in accordance with § 3 section 1 AZO-M.

2) Start of studies (§ 2 section 1 AZO-M)

The studies can be started in the winter and summer semester.

3) Minimum language requirements (see § 3 section 4-6 AZO-M)

a) For the above-mentioned Master's programme, proof of the language level DSH 2 = TDN 4 (approx. B2/C1 level) is generally required.

b) The proof of qualification according to § 3, section 4 is not required for applicants whose native language is English or who have an excellent knowledge of English. Excellent English language skills must be proven by minimum performance in an internationally recognised test which was taken no later than two years before the application for admission to the Master's programme was received, or by equivalent achievements. Such proof can be provided as follows:
    − "Cambridge Certificate in Advanced English" (CAE): min. grade "B";
    − "Cambridge Certificate of Proficiency in English (CPE): min. grade "C";
    − IELTS Academic ("International English Language Testing System"): at least Volume 6;
    − Internet-based "Test of English as a Foreign Language" (TOEFL iBT): min. 80 points;
    − handwritten "Test of English as a Foreign Language" (TOEFL PBT): min. 550 points
    − UNIcert: min. level III;
    − other proof according to the "Common European Framework" (CEF): min. level C1; or
    − Certificate of successfully completed at least 2-year-exclusively-English-language study programme

4) Technical qualifications (see § 3, section 1 AZO-M)

a) Technical qualifications are considered to exist if a preceding Bachelor's programme in Computer Science or a closely related subject with a standard period of study of at least six semesters and a volume of at least 180 CPs was completed at a German higher education institution or at an institution of higher education belonging to one of the Bologna signatory states.

b) Other applicants must prove the following achievements in a subject-related suitable course of study as minimum admission requirements:
   - at least 15 CP in Basics of Computer Science[1],
   - at least 15 CP in Computer Science of Systems[2], and furthermore
   - a minimum of 15 CP in mathematics[3].

In addition to the mandatory minimum requirements, basic technical knowledge required for a successful course of study must be demonstrated as credits:
   - a total of at least 45 CP in Basics of Computer Science1, Computer Science of Systems2 and/or Mathematics3, and
   - successful participation in a seminar and a project/professional internship in connection with computer science.

The determination of the previous course of study suitable for the subject in question shall be made on basis of the documents to be submitted together with the application and, in this respect, on the basis of suitable criteria, in particular on basis of module descriptions explaining the teaching and examination contents and the literature used as well as the module requirements, the examination and study regulations and the study plans of the course of study in which the performance was achieved.

5) Requirements (§ 5 section 1 AZO-M)

The technical requirements shall not exceed a maximum of 30 CP. Only examinations which are actually offered can be imposed as requirements.

6) Entry into force

These study-specific admission regulations come into force on the day after their announcement in the official gazette of Clausthal University of Technology.
Once this regulation comes into force, all previously valid regulations concerning access to the above-mentioned Master's programme will cease to apply.

---

[1] usually competencies in the fields of programming; programming paradigms; data structures and algorithms; modelling; logic; formal systems; automata theory, formal languages and complexity;

[2] usually competencies in the following areas: operating systems; software engineering; databases; computer systems; computer networks or distributed systems; digital technology; security;

[3] usually competences in the fields of analysis; linear algebra; and one of the fields of stochastics, optimisation or numerics.