



## **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**

**In the version of the 1st amendment from May 04, 2021**

*According to § 9 General Admission Regulations for all consecutive and continuing education Master's Programmes at the Technical University Clausthal (AZO-M) Last amended by the faculty board decree from May 04 (Notifications TUC 2021 page 371).*

### **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 according to § 3 (4) is not required for applicants whose native language is English or who have excellent knowledge of the English language. Excellent knowledge of English has to be proven by a test, which is recognized internationally. You may only submit test results with your application which are not older than two years.

We accept the following certificates:

- Cambridge Certificate in Advanced English (CAE): minimum grade "B";
- Cambridge Certificate of Proficiency in English" (CPE): at least grade "C";
- IELTS Academic ("International English Language Testing System"): min. band 6.5;
- Internet-based "Test of English as a Foreign Language" (TOEFL iBT): min. 80 points

- Paper-based "Test of English as a Foreign Language" (TOEFL PBT): min. 550 points
- UNlcert: at least level III
- other proof according to the "Common European Framework" (CEF): at least level C1; or
- Secondary school-leaving certificate or Bachelor's degree or similar from an educational institution from one of the following countries: USA, Great Britain, Canada, Ireland, Malta, Australia, New Zealand, South Africa.

#### 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<sup>1</sup>,
  - at least 15 CP in Computer Science of Systems<sup>2</sup>, and furthermore
  - a minimum of 15 CP in mathematics<sup>3</sup>.

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 Science<sup>1</sup>, Computer Science of Systems<sup>2</sup> and/or Mathematics<sup>3</sup>, 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.

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<sup>1</sup> usually competencies in the fields of programming; programming paradigms; data structures and algorithms; modelling; logic; formal systems; automata theory, formal languages and complexity;

<sup>2</sup> usually competencies in the following areas: operating systems; software engineering; databases; computer systems; computer networks or distributed systems; digital technology; security;

<sup>3</sup> usually competences in the fields of analysis; linear algebra; and one of the fields of stochastics, optimisation or numerics.

## 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.