



6.40.103E Program-Specific Entrance and Admission Provisions for the Master's Degree Program in Intelligent Manufacturing at Clausthal University of Technology, Faculty of Mathematics, Computer Science and Mechanical Engineering, of May 3, 2022

in accordance with section 9 of the General Entrance and Admission Regulations for Consecutive and Mid-Career Master's Degree Programs at Clausthal University of Technology (Mitt.TUC 2022, p. 272)

Preamble

The master's degree program in *intelligent manufacturing* shall be aimed at applicants with a bachelor's degree or equivalent qualification in

- mechanical engineering/mechatronics
- electrical engineering/information technology
- applied computer science

or a closely related engineering subject.

The present provisions shall be supplementary to the General Master's Entrance and Admission Regulations.

(1) Establishment of the procedure (section 1(2), third sentence, of the General Master's Entrance and Admission Regulations)

For the master's degree program specified above, an entrance procedure shall be conducted in accordance with section 3(1) of the General Master's Entrance and Admission Regulations.

(2) Degree program start (section 2(1) of the General Master's Entrance and Admission Regulations)

Students can begin the degree program in the winter semester or the summer semester. Applications must be completed in electronic form using the Clausthal University of Technology online portal and have arrived at Clausthal University of Technology by post, accompanied by the required application documents specified in the Annex to the General Master's Entrance and Admission Regulations, by the relevant application deadline.

(3) Establishment of the minimum language requirements – master’s (section 3(2), second sentence, and sections 5 and 6 of the General Master’s Entrance and Admission Regulations)

For the master’s degree program specified above, the following enrollment prerequisite shall apply:

For entrance to the English-language master’s degree program in intelligent manufacturing, evidence must be provided of a language level of B2 under the Common European Framework of Reference for Languages, or an equivalent examination as stipulated by the Standing Conference of the Ministers of Education and Cultural Affairs of the *Länder*.

As a rule, evidence of English skills shall be provided in the form of suitable certification not more than two years old at the time of application for admission to TU Clausthal. Suitable certification shall include the following:

- TOEFL iBT: at least 85 points or
- TOEIC: at least 865 in listening and reading, 170 in speaking and 165 in writing or
- IELTS: at least 6.5 or
- Cambridge University: First Certificate in English (FCE) grade C
- High school graduation, university degree or similar qualification from an English-language educational institution of one of the following countries: USA, UK, Canada, Ireland, Malta, Australia, New Zealand, South Africa.

(4) Establishment of the minimum subject-related requirements – master’s (section 3(1), third sentence, of the General Master’s Entrance and Admission Regulations)

Bachelor’s degree programs in mechanical engineering/mechatronics, electrical engineering/information technology or applied computer science from universities including universities of technology shall be unconditionally recognized as previous programs of study in suitable subjects. Applicants with bachelor’s degrees in these subjects shall be admitted without subject-related conditions.

Additionally, applicants with other degrees can be admitted if their previous programs of study, successfully completed, are in suitable subjects. Whether a previous program of study is suitable in subject matter and/or equivalent shall be determined on the basis of the documents to be submitted alongside the application and thus on the basis of appropriate criteria. As part of this, evidence of subject-specific competence must be provided amounting in total to **90 credit points** from the following fields: mechanical engineering/mechatronics, electrical engineering or applied computer science and, particularly, foundations of manufacturing engineering. Appropriate criteria shall include the module descriptions indicating the subject matter covered in teaching and assessment, the examination and program regulations, and the schedule for the degree program in which the credit points were gained. The question shall be decided by the

entrance/admissions review committee responsible for the master's degree program following submission of the application documents.

(5) Attachment of conditions (section 5(1) of the General Master's Entrance and Admission Regulations)

Any conditions which may be attached to admission in accordance with section 5(1) of the General Master's Entrance and Admission Regulations shall serve the aim of making up proficiency not acquired in the student's bachelor's degree program in comparison to the bachelor's degree programs in mechanical engineering/mechatronics, electrical engineering/information technology and applied computer science. The conditions must not exceed the value of **30 credit points** in total. The entrance review committee shall determine whether the conditions have been fulfilled.

(6) Aptitude test (section 5(4) of the General Master's Entrance and Admission Regulations)

The entrance review committee can conduct a 60-minute oral interview (aptitude test) to assess an applicant's knowledge in respect of the minimum subject-related requirements. Where appropriate, the conditions shall be set in the light of that interview. The chairperson of the committee shall preside over the interview; two other voting members shall assist. The outcome and proceedings of the interview shall be minuted. The members of the entrance review committee can, upon consultation, send a representative to the interview.

(7) Entry into force

The present Program-Specific Entrance and Admission Provisions shall enter into force on the day after their publication in the official journal of Clausthal University of Technology, the *Amtliches Verkündungsblatt*.