

**Statutes on the aptitude test
for the master programme of the Faculty of Computer
Science M.Sc. User Experience Design
at the Technische Hochschule Ingolstadt from
19 February 2024**

Preamble

Based on Art. 9 sentence 1 and Art. 90 para. 1 sentence 2 of the Bavarian Higher Education Innovation Act (BayHIG) of 5 August 2022 (GVBl. p. 414; BayRS 2210-1-3-WK), as amended, Technische Hochschule Ingolstadt issues the following statutes:

Preliminary remark on the use of language

For reasons of readability and clarity, all references to persons and functions are made in the masculine form and apply equally to all genders.

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§ 1

Purpose of the aptitude test

- (1) In addition to the requirements listed in the current version of the study and examination regulations for the master programme M.Sc. User Experience Design at Technische Hochschule Ingolstadt dated 17.12.2018 (SPO), admission to the master programme User Experience Design at Technische Hochschule Ingolstadt requires proof of the relevant aptitude in accordance with these statutes.

- (2) ¹In the aptitude test, the applicant should prove whether, in addition to the qualification demonstrated by the completion of an academic study programme with a focus on Computer Science and/or Design (e.g. Computer Science, Media Informatics, Human-Technology Interaction, Multimedia and Creative Technology, Computer Engineering, User Experience Design, Interface/Communication Technologies, Interaction Design, Digital Media, Digital Design, Integrated Design, Assistive Technologies, Information Technology and Design, Media Engineering, Multimedia and Communication, Digital Animation, Design, etc.) or a related field, the applicant has the aptitude for the special qualitative knowledge and requirements of the Master's degree programme in User Experience Design.similar) or a related field has the aptitude for the special qualitative knowledge and requirements of the master programme User Experience Design, which is expected to lead to a successful course of study. ²The special qualifications and skills of the applicants should correspond to the professional field of a User Experience Designer. ³The central aspect of this qualification profile is a balanced expertise in the fields of Computer Science, Design and User Research.

§ 2

Selection committee

The aptitude test is carried out by a selection committee consisting of at least two professors appointed by the Faculty Council of the Faculty of Computer Science.

§ 3

aptitude test

- (1) The aptitude test takes place in the summer semester for the following winter semester and in the winter semester for the following summer semester.
- (2) ¹The documents for the aptitude test must be added to the application for admission by the application deadlines specified in the statutes for admission to academic studies, the enrolment, academic leave of absence, re-registration and exmatriculation procedure at Technische Hochschule Ingolstadt (THI enrolment statutes) dated 8 February 2007 in the currently valid version in the online application procedure to Technische Hochschule Ingolstadt. ²In justified exceptional cases, an extension of the application deadline is possible.
- (3) ¹The following documents must be enclosed with the application:
- a. an assignment of the applicant's modules to the corresponding subject groups derived from the transcript of records as well as a written statement of the relevant qualifications and competences in the fields of Computer Science and Design (maximum 750 characters each) in accordance with § 5 para. 2 sentence 1 lit. b) nos. 1 to 3 (curriculum analysis); the written statements should in particular describe the qualifications and competences that go beyond the knowledge and qualifications acquired in the first degree, such as specific vocational training, non-self-employed or freelance work, stays abroad as well as a description of the personal suitability for the study course including links to port- folios and

- b. if already available, a copy of the degree certificate from the first degree according to § 3 para. 1 sentence 1 lit. a) SPO, alternatively a current grade sheet.

²If possible, appropriate evidence of other skills, including those acquired outside the university, should be enclosed. ³The accuracy of the information provided must be confirmed.

§ 4

Admission requirements

¹All applicants who have applied for admission to the programme in accordance with Section 3 (2) and (3) in due form and time and who fulfil the general qualification requirements according to Section 3 SPO will be admitted to the aptitude test. ²If this is not the case, admission to the aptitude test will not be granted.

§ 5

Content of the aptitude test

(1) The aptitude test is carried out by the selection committee by evaluating the documents submitted in accordance with Section 3 (3) with regard to the following criteria:

- a. Grade of the first degree from an academic study programme with Computer Science and/or Design content or an equivalent domestic or foreign degree,
- b. additional competences in Computer Science and Design and
- c. Practical professional experience in the subject area of the master programme.

(2) ¹For the assessment of suitability, a grade is formed from two weighted partial grades:

- a. the grade of the first degree with a weighting of 0.6
- b. a grade with a weighting of 0.4, which is used to assess and determine subject-specific aptitude and experience in Computer Science and Design. For this purpose, the committee assesses the documents submitted on the basis of the "Curricular analysis" document. The curricular analysis is carried out by schematically comparing the modules of the first degree with the Bachelor UXD of THI and is based on the criteria defined below. If it is determined that there are no significant differences in the competences acquired (learning outcomes), a maximum of 40 points are awarded. Missing competences are deducted according to the credits of the assigned modules of the Bachelor degree programme User Experience Design at Technische Hochschule Ingolstadt. Negative points are not awarded.

1. Subject groups of the curricular analysis:

- a. Knowledge of Computer Science, in particular programming of interactive systems, rapid prototyping in software/hardware,

Game development platforms, virtual/augmented reality, computer graphics and web technologies (max. 10 points, P_{b1}),

- b. Knowledge in the field of design, in particular design basics, typography, sketching, interaction design, web design, product design, design of user interfaces (graphics, audio, video), study design and implementation (max. 10 points, P_{b2}),
2. practical experience (comparable to a practical study semester) in the field of developing interactive systems including their conception/design or implementation in software/hardware (0.5 points per week, max. 10 points, P_{b3}),
 3. Letter of motivation (incl. portfolio); a maximum of 10 points can be achieved in total (P_{b4}) and the content of the letter of motivation is assessed as follows:
 - aa) Presentation of relevant qualifications and competences, especially those that go beyond the knowledge and qualifications acquired in the first degree course, such as specific professional training, non-self-employed or freelance work, experience abroad; presentation of personal aptitude for the study course (max. 750 characters and max. 3 points per area of Computer Science/Design),
 - bb) Proof of previous own work relevant to the study course in Computer Science or Design by providing a link to work projects/portfolio (max. 2 points per area of Computer Science/Design).

²The grading of subject-specific aptitude and experience is based on the calculation of the geometric mean P of the partial points from the areas in sentence 1 b) no. 1 to 4:

$$P = \sqrt[4]{P_{b1} * P_{b2} * P_{b3} * P_{b4}}$$

The subject-specific aptitude is then graded as follows:

$$Note = \begin{cases} (10 - P) \times \frac{1}{3} + 1.0 & \text{falls } P = 0 \\ \text{sonst} & \end{cases}$$

- (3) ¹Aptitude is deemed to have been established if the aptitude test is assessed with an overall grade of at least "good" (2.5). ²The grade levels of § 24 APO apply accordingly for this assessment. ³If one of the areas according to para. 2 lit. b) no. 1 to 4 is assessed with 0 points, the aptitude test is deemed to have been failed. ⁴Applicants with an overall grade lower than "good" (2.5) cannot be considered suitable for the User Experience Design master programme. ⁴A new application is possible at the earliest for the next application procedure

§ 6
Transcript

Minutes must be kept of the aptitude test, showing the date and place of the aptitude test, the names of the applicants and the assessments made by the selection committee in accordance with § 5.

§ 7
Determination and announcement of the result

¹The applicant will be notified of the result of the aptitude test for the User Experience Design master programme by the Service Center Study Affairs no later than two weeks before the Start of studies. ²Rejection notices must be substantiated and include information on legal remedies.

§ 8
entry into force

The Articles of Association enter into force on the day after publication.

Issued on the basis of the resolution of the Senate of Technische Hochschule Ingolstadt of 19 February 204 and approved by the President.

Ingolstadt, 14/03/2024

signed.

Prof Dr Walter Schober President

These statutes were filed at Technische Hochschule Ingolstadt on 18 March 2024. The relinquishment was publicly announced digitally on 18 March 2024 by posting it on the homepage of Ingolstadt University of Applied Sciences. The date of publication is therefore 18/03/2024.