

Note: Only the German version is legally binding, the English translation serves information purposes only!

**Study and Examination Regulations
for the bachelor's programme
B.Sc. Computer Science and Artificial Intelligence
at the Technische Hochschule Ingolstadt
of 22.02.2021**

in the version of the amendment statutes of 10.01.2022

Preamble

Based on Art. 13 Para. 1, Art. 58 Para. 1 Clause 1 and Art. 61 Para. 2 and 3 Bavarian Higher Education Act (BayHSchG) dated 23 May 2006 (Gazette of Laws and Ordinances (GVBl) p. 245, BayRS 2210-1-1-WFK), in the amended version, Technische Hochschule Ingolstadt adopts the following statutes:

Preliminary note on language use

For reasons of readability and clarity, female and male persons are referred to in the masculine form in this text. All references to persons always include both genders.

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§ 1

Purpose of the study and examination regulations

These Study and Examination Regulations serve to fulfil and supplement the Framework Examination Regulations for Universities of Applied Science (RaPO) dated 17 October 2001 (Gazette of Laws and Ordinances (GVBl) p. 686, Bay RS 2210-4-1-4-1-WFK) and the General Examination Regulations of Technische Hochschule Ingolstadt (APO THI) dated 25.07.2011 in the amended version.

§ 2

Programme objective

- (1) ¹Aim of the bachelor's programme "Computer Science and Artificial Intelligence" is to impart professional competence based on scientific knowledge and methods through practice-oriented teaching, which enables students to work independently in globally operating companies in the field of computer science, especially with a focus on artificial intelligence. ²In addition to imparting professional and methodological competence, the promotion of personal development is a further goal.
- (2) ¹Upon completion of the degree programme, graduates are familiar with the most important concepts, methods and techniques of computer science and are able to think in abstract models, assess the possibilities and limitations of algorithmic procedures and develop adequate computer science solutions for concrete application problems. ²They have a basic understanding of the most important AI technologies and can introduce, integrate, adapt or develop AI systems in companies in order to provide digital solutions that emulate aspects of human cognition or decision-making and adapt to changing circumstances. ³In doing so, graduates are aware of their responsibility for the social and societal impact of their work and respect the diversity of people. ⁴To keep pace with the rapidly advancing development of computer science, they see themselves as lifelong learners and researchers.
- (3) The completed Bachelor's degree also provides the basis for further academic qualification in a subsequent Master's degree programme.

§ 3

Standard duration of studies, programme structure

¹The standard period of study comprises seven semesters. ²The degree programme is divided into two study sections. ³The first study section comprises two theoretical study semesters. ⁴The second study section comprises four theoretical semesters and one internship semester, which is conducted as the fifth study semester.

§ 4 Credits

¹Credit points are awarded for passed examinations and course-related credit certificates per module, as well as for the successfully completed internship semester. ²Based on the European Credit Transfer System (ECTS), an average of 60 credit points are awarded per academic year. ³One credit point corresponds to a workload of 25 hours. ⁴During practical periods and when preparing the bachelor's thesis, one credit point usually corresponds to a workload of 25 hours. ⁵The number of credit points is specified in the annex to these regulations.

§ 5 Modules and credit certificates

- (1) The modules, their number of hours, the type of courses, the examinations, the course-related credit certificates as well as further provisions are set out in the annex to these regulations.
- (2) All modules are either compulsory or elective:
 1. Compulsory modules are those modules of the degree programme that are compulsory for all students.
 2. ¹Compulsory elective modules are those modules of the degree programme which are offered individually or in groups as alternatives. ²Each student must make a specific selection from among them in accordance with these regulations. ³The selected modules are treated as compulsory modules.
- (3) Selected modules, including examinations and/or credits, may be held in German as specified in more detail in the module handbook.

§ 6 Module handbook

- (1) ¹In order to establish the course offering and for the students' information, the responsible faculty compiles a module handbook detailing the course of study. ²The module handbook shall be adopted by the faculty council and shall be made public at the university. ³The announcement of new regulations must be made at the latest at the beginning of the lecture period of the semester in which the regulations come into force for the first time.
- (2) The curriculum contains, in particular, regulations and information about:
 1. the time allocation of the semester hours per module and study semester,
 2. the catalogue of elective compulsory modules that can be selected including the designation of the modules and the number of semester hours per week,
 3. more detailed provisions on the course-related performance and participation certificates,

4. the designation of the study specialisations offered and their compulsory and elective modules as well as the number of hours, the course type, the study objectives and the study contents of these modules,
 5. the form and organisation of courses,
 6. the course type of each individual module, insofar as this is not conclusively defined in the annex,
 7. the study objectives (learning outcomes) and contents of the individual modules,
 8. the training objectives and content of the practical study periods as well as their form and organisation,
 9. more detailed provisions on the type and scope of the module examinations, insofar as these have not been conclusively defined in the annex,
 10. more detailed provisions for courses offered via new media,
 11. the language of instruction and examination in the individual modules, insofar as it is not English.
- (3) In the curriculum, the semester hours of the modules can be modified with the approval of the Faculty Council in such a way that some of the course hours are replaced by corresponding units of self-directed learning.
- (4) ¹There is no right to claim that all scheduled compulsory elective modules and elective modules are actually offered. ²Similarly, there is no claim that such courses will be held if there are not enough participants.

§ 7

Advancement prerequisites

- (1) Only students who have earned at least 42 ECTS credits from the modules of the first study section are entitled to enter the third study semester.
- (2) Students are only entitled to enter the internship as part of the practical study semester if they have achieved at least a grade of "sufficient" in all examinations and pass certificates relevant to the first study section and have earned at least 20 ECTS credits from the compulsory modules of the second study section.

§ 8

Internship semester

The practical study semester of the second study section comprises a period of 20 weeks and is accompanied by courses.

§ 9

Passing of the Bachelor's examination, final examination grade

- (1) The Bachelor examination is passed if

1. in all final grades based on examinations and other evidence of achievement as well as in the Bachelor thesis at least the grade "sufficient", in other credit certificates the grade "pass" was achieved and
 2. the practical semester has been successfully completed.
- (2) The final grades from the first and second stage of studies shall be included in the overall examination grade of the Bachelor's examination according to their weighting in the annex.

§ 10 Certificate

- (1) A certificate is issued for the successful completion of the Bachelor's examination in accordance with the model contained in the General Examination Regulations of Technische Hochschule Ingolstadt (APO THI).
- (2) A Diploma Supplement in accordance with the model contained in the General Examination Regulations of Technische Hochschule Ingolstadt (APO THI) is issued together with the certificate of the passed Bachelor's examination.

§ 11 Academic degree

- (1) When a student successfully completes the Bachelor's examination they are awarded the academic degree of "Bachelor of Science", abbreviated to "B.Sc.".
- (2) A certificate is issued on the award of the academic degree in accordance with the model contained in the appendix to the APO THI.

§ 12 Entry into force and transitional regulations

¹These Study and Examination Regulations become effective as of 1st October 2020. ²They apply to all students who commence studies in the first semester of this programme from the winter semester 2020/21.

Issued on the basis of the resolution adopted by the Senate of Technische Hochschule Ingolstadt dated 22.02.2021, the resolution adopted by the University Council dated 02.03.2021 and approved by the President.

Ingolstadt, 10.03.2021

Prof. Dr. Walter Schober

President

The Study and Examination Regulations were established at Technische Hochschule Ingolstadt on 10.03.2021. This act was published by posting on 10.03.2021. The date of publication is therefore 10.03.2021.