

**Academic study and examination  
regulations for the Bachelor  
degree programme  
B.Sc. Computer Science and Artificial Intelligence  
at Technische Hochschule Ingolstadt from  
22.02.2021**

**in the version of the amended articles of association dated**

**19 February 2024**

**Preamble**

Based on Art. 13 para. 1, 58 para. 1 sentence 1 and 61 para. 2 and 3 of the Bavarian Higher Education Act - BayHSchG - of 23 May 2006 (GVBl p. 245, BayRS 2210-1-1-WFK), as amended, Technische Hochschule Ingolstadt issues the following statutes:

**Preliminary remark on the use of language**

For reasons of readability and clarity, female and male persons are referred to in the text in the masculine form. All personal designations used always refer to all genders.

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## **§ 1**

### **Purpose of the academic study and examination regulations**

These academic study and examination regulations serve to complete and supplement the Framework Examination Regulations for Universities of Applied Sciences (RaPO) of 17 October 2001 (GVBl p. 686, Bay RS 2210-4-1-4-1-WFK) and the General Examination Regulations of Technische Hochschule Ingolstadt (APO THI) of 25 July 2011 in their respective versions.

## **§ 2**

### **Study objective**

- (1) <sup>1</sup>The aim of the Bachelor's degree programme in 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. <sup>2</sup>In addition to teaching technical and methodological skills, the programme also aims to promote personal development.
- (2) <sup>1</sup>On completion of the academic study 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 limits of algorithmic processes and develop adequate computer science solutions for specific application problems. <sup>2</sup>They have a basic understanding of the most important AI technologies and can introduce, integrate, adapt and develop AI systems in companies in order to provide digital solutions that emulate aspects of human cognition and decision-making and adapt to changing circumstances. <sup>3</sup>In doing so, graduates are aware of their responsibility for the social and societal impact of their work and take into account the diversity of people. <sup>4</sup>In order to keep pace with the rapidly advancing development of Computer Science, they see themselves as lifelong learners and researchers.
- (3) The completed Bachelor's degree programme also provides the basis for further academic qualification in a subsequent Master's degree programme.

## **§ 3**

### **Standard period of study, structure of the academic study programme**

<sup>1</sup>The standard period of study comprises seven study semesters. <sup>2</sup>The study course is divided into two degree phases. <sup>3</sup>The first degree phase comprises two theoretical study semesters.

<sup>4</sup>The second degree phase comprises four theoretical semesters and one practical semester, which is the fifth study semester.

#### **§ 4 Credit points**

<sup>1</sup>Credit points are awarded for passing examinations and degree-related performance assessments per module as well as for successfully completing the practical study semester. <sup>2</sup>Based on the European Credit Transfer System (ECTS), an average of 60 credit points are awarded per academic year. <sup>3</sup>One credit point corresponds to 25 hours of study. <sup>4</sup>During practical periods and when writing the Bachelor's Thesis, one credit point generally corresponds to 25 hours of study. <sup>5</sup>The number of credit points can be found in the appendix to these academic study and examination regulations.

#### **§ 5 Modules and evidence of academic achievement**

- (1) The modules, their number of hours, the type of lectures, the examinations, the degree-related performance assessments and further provisions are set out in Annex 1 to these Statutes.
- (2) All modules are either compulsory or elective modules:
  1. Compulsory modules are the modules of the study course that are mandatory for all students.
  2. <sup>1</sup>Compulsory elective modules are the modules of the study course that are offered individually or in groups as an alternative. <sup>2</sup>Each student must make a specific selection from among them in accordance with these regulations. <sup>3</sup>The selected modules are treated as compulsory modules.
- (3) Selected modules, including examinations and/or evidence of academic achievement, may be held in English as specified in the curriculum.

#### **§ 6 Curriculum**

- (1) <sup>1</sup>In order to ensure the courses offered and to inform students, the responsible faculty draws up a curriculum detailing the academic study programme. <sup>2</sup>The curriculum is adopted by the Faculty Council and must be publicised at the university. <sup>3</sup>The publication of new regulations must take place at the latest at the beginning of the lecture period of the semester in which the regulations are to be applied for the first time.
- (2) The curriculum contains in particular regulations and information on
  1. the temporal division of the weekly semester hours per module and study semester,

2. the catalogue of selectable elective modules with the names of the modules and their number of semester hours per week,
  3. more detailed provisions on course-related performance and proof of attendance,
  4. the names of the offered major fields of study and their compulsory and elective modules as well as the number of hours, the course type, the study objectives and the course content of these modules,
  5. the form and organisation of lectures,
  6. the course type in the individual modules, insofar as it has not been conclusively defined in Annex 1,
  7. the study objectives (learning outcomes) and content 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 Annex 1,
  10. more detailed provisions for lectures offered via new media,
  11. the language of instruction and examination in the individual modules, insofar as this is not English.
- (3) With the approval of the Faculty Council, the weekly semester hours of the modules can be modified in the curriculum in such a way that some of the course hours are replaced by corresponding units of self-directed learning.
- (4) <sup>1</sup>There is no entitlement to all elective modules and elective modules actually being offered. <sup>2</sup>Similarly, there is no entitlement to such lectures being held if there are insufficient participants.

## **§ 7**

### **Advancement requirements**

- (1) Students are only entitled to enter the third study semester if they have earned at least 42 ECTS credit points from the modules in the first degree phase.
- (2) Only students who have achieved at least a grade of "sufficient" in all examinations and degree-related performance assessments of the first degree phase and have earned at least 20 ECTS credit points from the compulsory modules of the second degree phase are entitled to enter the internship as part of the practical semester.

## **§ 8**

### **Practical study semester**

The practical study semester of the second degree phase comprises a period of 20 weeks and is accompanied by lectures.

## **§ 9**

### **Passing the Bachelor's examination, overall examination grade**

- (1) The Bachelor's examination is passed if
  1. in all final grades based on examinations and other performance assessments as well as in the Bachelor's Thesis at least the grade "sufficient", in other evidence of academic achievement the grade "with success" was achieved and
  2. the practical study semester has been successfully completed.
- (2) The final grades from the first and second degree phase are included in the overall Bachelor's examination grade according to their weighting in Annex 1 to these statutes.

## **§ 10**

### **certificate**

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

## **§ 11**

### **Academic degree**

- (1) The academic degree "Bachelor of Science", abbreviated to "B.Sc.", is awarded on successful completion of the Bachelor's examination.
- (2) A certificate is issued for the award of the academic degree in accordance with the sample contained in the annex to the APO THI.

## **§ 12**

### **Entry into force**

<sup>1</sup>These academic study and examination regulations come into force on 1 October 2020.

<sup>2</sup>They apply to all students who begin their academic studies on this study course from the winter semester 2021 / 2022.

Issued on the basis of the resolution of the Senate of Technische Hochschule Ingolstadt dated 22 February 2021, the resolution of the University Council dated 2 March 2021 and approved by the President.

Ingolstadt, 10/03/2021

Prof Dr Walter Schober President

The Articles of Association were deposited at Technische Hochschule Ingolstadt on 10 March 2021. The resignation was announced on 10 March 2021 by means of a notice. The date of announcement is therefore 10/03/2021.