

**Study and examination regulations**  
**for the Master's programme of the Faculty of Engineering and Management**  
**M.Sc. Engineering and Management**  
**at Technische Hochschule Ingolstadt from 16 November 2020**

**Preamble**

On the basis of 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, Ingolstadt University of Applied Sciences issues the following statutes:

**Preliminary remark on the use of language**

For reasons of readability and clarity, the masculine form is used to refer to both male and female persons in the text. All references to persons always refer to all genders.

**Table of contents**

§ 1	Purpose of the study and examination regulations.....	2
§ 2	Study objective .....	2
§ 3	Qualification for the degree programme.....	2
§ 4	Type and duration of the degree programme.....	3
§ 5	Credit points .....	4
§ 6	Modules and certificates of achievement.....	4
§ 7	Module Handbook .....	5
§ 8	Master's thesis.....	5
§ 9	Assessment of performance, overall examination grade.....	6
§ 10	Master's examination certificate.....	6
§ 11	Academic degree .....	6
§ 12	Entry into force .....	6

## **§ 1**

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

These 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 the Technische Hochschule Ingolstadt (APO THI) of 25 July 2011 in their respective versions.

## **§ 2**

### **Study objective**

- (1) <sup>1</sup>The aim of the Master's degree programme in Engineering and Management is to impart technological and business knowledge, in particular interdisciplinary knowledge from the fields of technology and business. <sup>2</sup>On the basis of scientific knowledge and methods, graduates are prepared for management and expert tasks in internationally operating companies and organisations. <sup>3</sup>In addition to specialist and methodological knowledge, the degree programme also provides impetus for the development of social skills. <sup>4</sup>Students are thus able to organise their actions in the context of social processes critically, reflectively and with a sense of responsibility. <sup>5</sup>The programme also promotes independent academic work with a focus on applied research.
- (2) <sup>1</sup>As part of the Master's degree programme in Engineering and Management, students should become familiar with the important value creation processes and their networking in companies and deepen their knowledge in specific areas. <sup>2</sup>Particular attention is paid to the areas of innovation, digitalisation and internationalisation. <sup>3</sup>The Master's degree programme also gives students the opportunity to pursue a subsequent career or work in research.

## **§ 3**

### **Qualification for the degree programme**

- (1) <sup>1</sup>Qualification requirements for admission to the Master's programme are:
  - a. Proof of successful completion of a degree programme at a German university with at least 210 ECTS credit points or equivalent in the field of industrial engineering, mechanical engineering, automotive engineering, aeronautical engineering, electrical engineering, computer science or related fields or an equivalent successful domestic or foreign degree
  - b. proof of sufficient knowledge of English (language level B2 of the Common European Framework of Reference for Languages).
- (2) <sup>1</sup>For degrees without credit points, the proven hours (workload) are converted into credit points, whereby one credit point corresponds to 25 hours. If no time hours are proven, 30 ECTS are recognised per theoretical semester. <sup>2</sup>Practical semesters are recognised with a further 30 ECTS if they correspond to the practical semester.

This corresponds to the type and scope of the first semester at Ingolstadt University of Applied Sciences.

- (3) Proof in accordance with para. 1 must be provided by the date of enrolment at the latest. If the proof according to para. 1 lit. a) sentence 1 is not provided by the end of the application period, a corresponding confirmation from the university must be provided by then, which credibly confirms the fulfilment of the requirement according to para. 1 lit. a) sentence 1 by the end of the enrolment period; the obligation according to sentence 1 remains in force.
- (4) <sup>1</sup>Applicants who can prove that they have completed a university degree or an equivalent degree for which fewer than 210 but at least 180 ECTS credits have been awarded may be admitted with the approval of the examination board if proof of the missing competences is provided with the application for admission. <sup>2</sup>The missing competences according to sentence 1 are proof of compensation of the competence gap of up to a further 30 ECTS credit points for the qualification requirement to be proven in paragraph 1 sentence 1 at at least Bachelor's level. <sup>3</sup>The missing competences must be proven by the end of the application period at the latest and can be proven as follows:
- a) by providing proof of practical professional experience outside the degree programme, which corresponds in terms of content and scope to the practical semester of a Bachelor's degree programme in Industrial Engineering, Mechanical Engineering, Automotive Engineering, Aeronautical Engineering, Electrical Engineering, Computer Science or another equivalent Bachelor's degree programme, e.g. at Ingolstadt University of Applied Sciences, provided that the degree submitted shows deficits in the area of the practical skills to be proven compared to the qualification requirement according to para. 1 sentence 1, or
  - b) by providing proof of practical or theoretical study and examination achievements in addition to the first degree at a domestic or foreign university, which correspond in terms of content and scope to the requirements of a Bachelor's degree programme in industrial engineering, mechanical engineering, automotive engineering, aeronautical engineering, electrical engineering, computer science or an equivalent other Bachelor's degree programme, e.g. at Ingolstadt University of Applied Sciences, provided that the degree submitted shows deficits in the area of the theoretical or practical competences to be proven compared to the qualification requirement according to paragraph 1 sentence 1.
- (5) If an applicant is not admitted, he or she will be informed in writing, stating the reasons.

#### **§ 4**

##### **Type and duration of the degree programme**

- (1) The degree programme is run as a consecutive degree programme (full-time study).

- (2) <sup>1</sup>The degree programme comprises a standard period of study of three theoretical semesters with a workload of 90 ECTS. <sup>2</sup>The Master's thesis should also be completed during this standard period of study.
- (3) The university can also offer its courses supported by virtual forms of teaching. Further details are set out in the module handbook.

## **§ 5**

### **Credit points**

<sup>1</sup>Credit points are awarded in accordance with the European Credit Transfer System (ECTS) for passed examinations and course-related credits per module. <sup>2</sup>As a rule, a maximum of 60 credit points are awarded per academic year. <sup>3</sup>One credit point corresponds to a study load of 25 hours, which is made up of attendance courses and distance learning phases. <sup>4</sup>The number of credit points can be found in Annex 1 to these study and examination regulations.

## **§ 6**

### **Modules and certificates of achievement**

- (1) The modules, their number of hours, the type of courses, the examinations, the course-related assessments and further provisions are set out in Annex 1 to these Statutes.
- (2) Courses and examinations are generally held in English. Selected compulsory elective modules can be held in German as specified in the module handbook. In this case, the examination can also be held in German. The Master's thesis can also be written in German.
- (3) All modules are either compulsory or compulsory elective modules:
1. Compulsory modules are the modules of the degree programme that are mandatory for all students.
  2. <sup>1</sup>Compulsory elective modules are the modules of the degree programme that are offered individually or in groups as alternatives. <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.
- (4) <sup>1</sup>There is no entitlement to the Master's degree programme being offered if the number of qualified students is insufficient. <sup>2</sup>Likewise, there is no entitlement to all modules being offered in every semester.

## **§ 7**

### **Module handbook**

- (1) <sup>1</sup>The responsible faculty draws up a module handbook to ensure the range of courses on offer and to provide students with information, which sets out the course of study in detail. <sup>2</sup>The module handbook is adopted by the responsible faculty council and must be publicised at the university. <sup>3</sup>The announcement of new regulations must be made 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) In particular, the module handbook contains regulations and information on
1. the allocation of weekly semester hours per module and semester,
  2. the catalogue of selectable compulsory elective modules with the names of the modules and their number of semester hours per week,
  3. more detailed provisions on the course-related performance and participation certificates,
  4. the form and organisation of courses,
  5. the type of course in the individual modules, insofar as it has not been conclusively defined in Annex 1,
  6. the study objectives (learning outcomes) and content of the individual modules,
  7. more detailed provisions on the type and scope of the module examinations, insofar as these have not been conclusively defined in Annex 1,
  8. more detailed provisions for courses offered via new media,
  9. more detailed provisions on the final colloquium,
  10. the language of instruction and examination in the individual modules, insofar as this is not in English.

## **§ 8**

### **Master thesis**

- (1) In the Master's thesis, students should demonstrate their ability to apply the knowledge acquired during their studies to complex practical tasks in the form of independent academic work.
- (2) <sup>1</sup>The topic of the Master's thesis is issued at the beginning of the second semester at the earliest.<sup>2</sup> The issue of the topic of the Master's thesis requires that at least 30 ECTS credits have been successfully completed.
- (3) The Master's thesis takes six months to complete.
- (4) In all other respects, the regulations on the issue of the final thesis in the General Examination Regulations of Ingolstadt University of Applied Sciences apply.

## **§ 7**

### **Assessment of performance, overall examination grade**

The overall examination grade is calculated by weighting the individual grades in accordance with Annex 1.

## **§ 10**

### **Master's examination certificate**

- (1) <sup>1</sup>A certificate of successful completion of the Master's examination is issued in accordance with the specimen contained in the General Examination Regulations of Ingolstadt University of Applied Sciences (APO THI) as amended. <sup>2</sup>The sample certificate is specified in accordance with these study and examination regulations.
- (2) A Diploma Supplement is issued together with the certificate of successful completion of the Master's examination in accordance with the model contained in the APO THI.

## **§ 11**

### **Academic degree**

- (1) The academic degree "Master of Science", abbreviated to "M.Sc.", is awarded by the Technische Hochschule Ingolstadt on successful completion of the Master's examination.
- (2) A certificate will be issued for the award of the academic degree in accordance with the model contained in the annex to the APO THI.

## **§ 12**

### **Entry into force**

<sup>1</sup>These study and examination regulations come into force on 01 October 2021.

Issued on the basis of the resolution of the Senate of Ingolstadt University of Applied Sciences of 16 November 2020, the resolution of the University Council of 26 November 2020 and approved by the President.

Ingolstadt, 13.01.2021

Prof Dr Walter Schober President

The Articles of Association were deposited at Ingolstadt University of Applied Sciences on 13 January 2021. The resignation was announced on 13 January 2021 by means of a notice. The date of announcement is therefore 13 January 2021.