

## Appendix

To the Programme Regulations 2014 of the  
Master's degree programme in Health Sciences and Technology

29.10.2013 (Version: 19.05.2022)

*Applies to students who commence or re-enter the degree programme in Autumn Semester 2022 or later.*

***This English translation is for information purposes only. The German version is the legally binding document.***

This appendix sets out the academic, language and performance prerequisites for and further details regarding admission to the Master's degree programme in Health Sciences and Technology. It supplements the stipulations of the Admission Regulations of ETH Zurich and the Directive on Admission to Master's degree programmes.

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## 1 Profile of requirements

### Policy

For admission to the Master's degree programme in Health Sciences and Technology (subsequently «the degree programme») all of the following prerequisites must be satisfied.

### 1.1 Degree qualifications

<sup>1</sup> For admission to the degree programme one of the following is required:

- a. a university Bachelor's degree in Health Sciences and Technology comprising at least 180 ECTS credits<sup>1</sup> or an equivalent university degree in Health Sciences and Technology
- b. a university Bachelor's degree in a discipline other than Health Sciences and Technology comprising at least 180 ECTS credits or an equivalent university degree which – provided that any pertaining additional requirements can be completed – satisfies the academic and performance prerequisites.

<sup>2</sup> A Bachelor's degree qualifies its holder for admission to an ETH Master's degree programme only if it also qualifies said holder to enter, without additional requirements, the desired Master's degree programme within the university system where the Bachelor's degree was acquired. The Rector may also demand proof of this, determining whether such proof must come from the home university or from another university in the country where the Bachelor's degree was acquired.

### 1.2 Academic prerequisites

<sup>1</sup> Attendance of the degree programme in Health Sciences and Technology presupposes basic knowledge and skills in the disciplines of Mathematics, Natural Sciences and Health Sciences which must in content, scope, quality and skill level be equivalent to those covered at ETH Zurich (discipline requirements profile).

<sup>2</sup> The **discipline requirements profile** below comprises **130 ECTS credits** in total and is based on knowledge and skills covered in the ETH Bachelor's degree programme in Health Sciences and Technology. This includes training in the relevant methodological scientific thinking. The details are set out in Para. 5 below.

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<sup>1</sup> ECTS: European Credit Transfer System. Credits describe the average time expended to achieve a learning goal. One credit corresponds to a workload of 30 hours

<sup>3</sup> If an applicant does not completely satisfy the academic prerequisites, admission may be subject to the acquisition of the missing knowledge and skills in the form of additional requirements. Completion of additional requirements is expressed in credits. For further details, see Section 4 below.

<sup>4</sup> Admission to the degree programme is not possible if the academic gaps in the candidate's background are too extensive. For further details, see the Sections below.

<sup>5</sup> The **discipline requirements profile** is structured in the three parts set out below. Details regarding the content of these course units are published in the ETH course catalogue ([www.courses.ethz.ch](http://www.courses.ethz.ch)).

#### Part 1: Basic knowledge and skills (100 credits)

Part 1 comprises 100 credits and covers basic knowledge and skills in the disciplines of Mathematics and Natural Sciences. The substance of the following course units is required:

- Introduction to Health Sciences and Technology I+II (6 credits) [Einführung Gesundheitswissenschaften und Technologie I+II]
- Mathematics I+II+III (16 credits) [Mathematik I+II+III]
- Statistics I+II (6 credits) [Statistik I+II]
- Foundations of Computer Science (4 credits) [Grundlagen der Informatik]
- Biomechanics I+II (9 credits) [Biomechanik I+II]
- Physics I+II (8 credits) [Physik I+II]
- Molecular Genetics and Cell Biology (5 credits) [Molekulare Genetik und Zellbiologie]
- Biochemistry (3 credits) [Biochemie]
- Infection and Immunology (2 credits) [Infektion und Immunologie]
- General Chemistry (6 credits) [Allgemeine Chemie]
- Organic Chemistry I+II (9 credits) [Organische Chemie I+II]
- Anatomy and Physiology I+II (10 credits) [Anatomie und Physiologie I+II]
- Histology (2 credits) [Histologie]
- Cell and Molecular Biology (6 credits) [Molekular- und Zellbiologie]
- Biomedical Interfaces (4 credits) [Biomedizinische Grenzflächen]
- Product Design in Medical Engineering (4 credits) [Produktentwicklung in der Medizintechnik]

### Part 2: Subject-specific knowledge (24 credits)

Part 2 comprises 24 credits and covers basic knowledge from at least three of the following health science focus areas:

- Human Movement Sciences and Sport
- Molecular Health Sciences
- Medical Technology
- Neurosciences

### Part 3: Applied knowledge and skills (6 credits)

Part 3 comprises 6 credits and covers knowledge and skills in lab techniques used in health sciences. The substance of at least two of the following course units is required:

- Laboratory Course in Chemistry
- Laboratory Course in Physiology
- Laboratory Course in Molecular Biology
- Laboratory Course in Health Sciences and Technology
- Laboratory Course in Medical Technology

## **1.3 Language prerequisites**

<sup>1</sup> The teaching language of the degree programme is English.

<sup>2</sup> For admission to the degree programme, proof of sufficient knowledge of English (Level C1<sup>2</sup>) must be provided.

<sup>3</sup> The required language certificates must be submitted by the application deadline. The ETH Zurich publishes a list of the language certificates accepted.

## **2 Specific stipulations for admission and entering the degree programme**

### **2.1 Specific stipulations for admission to the degree programme**

#### **2.1.1 Candidates with a Bachelor's degree in Health Sciences and Technology from ETH Zurich**

The following persons are guaranteed unconditional admission to the degree programme:

- a. Holders of a Bachelor's degree in Health Sciences and Technology from ETH Zurich
- b. Students enrolled in the ETH Zurich Bachelor's degree programme in Health Sciences and Technology

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<sup>2</sup> The required language level is measured according to the Common European Framework of Reference for Languages scale (CEFR)

### **2.1.2 Candidates with a Bachelor's degree in Health Sciences and Technology from another university**

<sup>1</sup> Holders of a Bachelor's degree or the equivalent in Health Sciences and Technology from a university other than ETH Zurich must satisfy all of the academic and language prerequisites for admission to the degree programme.

<sup>2</sup> Admission may be subject to additional requirements.

<sup>3</sup> Admission is not possible if any of the following apply

- a. the language prerequisites are not satisfied
- b. the content, scope, quality and skill level of the degree are not equivalent to those at ETH Zurich
- c. the number of additional credits required to satisfy the academic prerequisites exceeds 30 credits in total

### **2.1.3 Candidates with a university Bachelor's degree in a discipline other than Health Sciences and Technology**

<sup>1</sup> Holders of a university Bachelor's degree or the equivalent in a discipline other than Health Sciences and Technology may be admitted to the degree programme if they can satisfy all of the following prerequisites

- a. the academic requirements set out above are satisfied within the given framework
- b. the language prerequisites set out above are satisfied
- c. a very good academic performance during the Bachelor's degree studies

<sup>2</sup> Admission may be subject to additional requirements.

<sup>3</sup> Admission is not possible if any of the following apply

- a. the language or performance prerequisites are not satisfied
- b. the content, scope, quality and skill level of the degree are not equivalent to those at ETH Zurich
- c. the number of additional credits required to satisfy the academic prerequisites exceeds 30 credits in total

### **2.1.4 Candidates with a university Bachelor's degree in Human Medicine from ETH Zurich**

<sup>1</sup> The following persons are guaranteed admission to the degree programme:

- a. Holders of a Bachelor's degree in Human Medicine from ETH Zurich
- b. Students enrolled in the ETH Zurich Bachelor's degree programme in Human Medicine

<sup>2</sup> Admission may be subject to additional requirements.

## **2.2 Specific stipulations for entering the degree programme**

### **2.2.1 Candidates with an ETH Bachelor's degree in Health Sciences and Technology**

Students of the ETH Zurich Bachelor's degree programme in Health Sciences and Technology may enrol in the degree programme directly via [www.mystudies.ethz.ch](http://www.mystudies.ethz.ch). The admission procedure outlined in Section 3 is waived. Further details:

- a. The normal ETH enrolment dates and deadlines apply.
- b. Enrolment is possible as soon as a maximum of 30 credits from the Bachelor's degree programme are pending.
- c. Admission is provisional until the Bachelor's degree is issued. Admission will be revoked if the Bachelor's degree is not or cannot be issued.

### **2.2.2 Candidates with an ETH Bachelor's degree in a discipline other than Health Sciences and Technology**

The following stipulations regarding entry to the degree programme apply to students from an ETH Zurich Bachelor's degree programme (other than Health Sciences and Technology) who have been granted admission:

- a. The normal ETH enrolment dates and deadlines apply.
- b. They can enrol in the degree programme once they have acquired that number of credits which would qualify them to enrol in the Master's degree programme consecutive to their original subject.<sup>3</sup>
- c. Admission is provisional until the Bachelor's degree is issued. Admission will be revoked if the Bachelor's degree is not or cannot be issued.

### **2.2.3 Candidates with a Bachelor's degree from another university**

Non-ETH graduates who have been granted admission may only begin the degree programme when they have completed the previous (Bachelor's) degree programme.

## **3 Application and admission procedure**

<sup>1</sup> All candidates – with the exception of matriculated ETH Zurich students from the Bachelor's degree programme in Health Sciences and Technology – must submit an application for admission to the degree programme. The binding specifications for application, in particular the documents required and the submission dates/deadlines, are published on the website of the ETH Zurich Admissions Office ([www.admission.ethz.ch](http://www.admission.ethz.ch)).

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<sup>3</sup> The permitted number of missing credits is set out in the Programme Regulations of the respective consecutive Master's degree programme (e.g., BSc Biology → MSc Biology).

<sup>2</sup> Application may be made even if the required preceding degree has not yet been issued.

<sup>3</sup> Applications will not be considered if

- a. they are submitted late or not in the correct form, *or*
- b. the relevant fees have not been paid.

<sup>4</sup> The admissions committee of the degree programme determines how far the background of the candidate corresponds to the profile of requirements and submits an application for admission/rejection to the Director of Studies.

<sup>5</sup> On the request of the Director of Studies the Rector makes the final decision regarding admission or rejection.

<sup>6</sup> The candidate receives a written admissions decision which includes relevant information concerning any additional admission requirements.

## **4 Fulfilling additional admission requirements**

### **4.1 General regulations**

<sup>1</sup> Candidates who are admitted subject to the fulfilment of additional requirements must acquire the required additional knowledge and skills before or during the Master's degree programme via self-study or by attending classes. The corresponding individual performance assessments must take place by set deadlines.

<sup>2</sup> If the candidate fails said performance assessments or does not respect the set deadlines she/he will be regarded as having failed the programme and will be excluded from it.

### **4.2 Performance assessment deadlines and conditions**

<sup>1</sup> Candidates must undertake all of the performance assessments pertaining to the additional admission requirements by the end of the first year of the Master's degree programme at the latest. All additional requirements, including any assessment repetitions, must be fulfilled within 18 months of the start of the Master's degree programme at the latest.

<sup>2</sup> A pass grade in each individual performance assessment is required.

<sup>3</sup> A failed performance assessment may only be repeated once.