

Appendix 1

To the Programme Regulations 2019 of the
Master's degree programme in Science, Technology and Policy

29 January 2019 (Version: 1 September 2019)

Applies to students who commence the degree programme in Autumn Semester 2020 or later, including students who are re-entering the degree programme.

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

Subject and scope

This appendix sets out the academic, language and performance prerequisites for and further details regarding admission to the Master's degree programme in Science, Technology and Policy. 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 Science, Technology and Policy (sub-sequently 'the degree programme') the following prerequisites must be satisfied.

1.1 Degree qualifications

¹ Admission to the degree programme presupposes a university Bachelor's degree comprising at least 180 ECTS credits¹ or an equivalent university degree in an engineering or scientific discipline or in Mathematics or Architecture.

² 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

¹ Attendance of the degree programme presupposes basic knowledge and skills in engineering and/or scientific disciplines or in Mathematics or Architecture which must in content, scope, quality and skills level be equivalent to those covered at ETH Zurich (discipline requirements profile).

² Depending on the academic background of the candidates, there are **two different discipline requirements profiles, each comprising 80 ECTS credits** (credits). Both include training in the relevant methodological scientific thinking. Details are set out in the Sections 1.2.1 and 1.2.2 below.

³ Admission to the degree programme is not possible if the candidate does not hold a Bachelor's degree in a discipline set out in Section 1.1 or the academic gaps in the candidate's background are too extensive.

1.2.1 Profile of requirements for candidates holding a Bachelor's degree in an engineering or scientific discipline or in Mathematics

The discipline requirements profile comprises a total of **80 credits** and is based upon knowledge and skills covered in the ETH Bachelor's degree programmes in engineering or scientific disciplines or in Mathematics.

¹ ECTS: European Credit Transfer System. Credits describe the average time expended to achieve a learning goal. One credit corresponds to 25-30 hours of work.

Part A: Bachelor's degree in an engineering discipline

Candidates with a Bachelor's degree in an engineering discipline must have a command of subject-specific knowledge and skills in one or more of the following disciplines (*listed alphabetically / the list is not complete*)

- Automatic Control Engineering
- Chemistry
- Computer Science
- Fluid Dynamics
- Hydraulics
- Materials
- Mathematics
- Mechanics
- Physics
- Process Engineering
- Signals and Systems
- Thermodynamics
- Structural Engineering

Part B: Bachelor's degree in a scientific discipline or in Mathematics

Candidates with a Bachelor's degree in a scientific discipline or in Mathematics must have a command of subject-specific knowledge and skills in one or more of the following disciplines (*the list is not complete*)

- Mathematics
- Physics
- Chemistry
- Biology
- Computer Science
- Earth Sciences
- Environmental Sciences
- Health Sciences

1.2.2 Profile of requirements for candidates holding a Bachelor's degree in Architecture

The discipline requirements profile is divided into two parts, comprises a total of **80 credits** and is based upon knowledge and skills covered in the ETH Bachelor's degree programme in Architecture.

Part 1: Basic knowledge and skills (20 credits)

Part 1 comprises at least 20 credits and covers basic knowledge and skills in Mathematics, Physics or Applied Physics, and technical disciplines:

- Mathematical Thinking and Programming
- Physics or Applied Physics (e.g. Building Physics, Building Materials, Technical Installations etc.)
- Structural Design, Construction

Part 2: Subject-specific knowledge and skills (60 credits)

Part 2 comprises at least 60 credits and covers subject-specific knowledge and skills in Design and technical disciplines (*the list is not complete*):

- Design (Urban Design, Construction)
- Structural Design
- Building Physics
- Technical Installations

1.3 Language prerequisites

¹ The teaching language of the degree programme is English.

² For admission to the degree programme, proof of sufficient knowledge of English (level C1)⁽²⁾ must be provided.

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

1.4 Performance prerequisites

Admission to the degree programme presupposes a very good study performance record in the preceding course of studies.

2 Specific stipulations for admission and entry to the Master's degree programme**2.1 Admission / Rejection**

¹ For admission to the degree programme the candidates must satisfy the prerequisites set out in Section 1.1 – 1.4.

² Admission is not possible if

- a. the academic prerequisites set out in Section 1.2 are not satisfied or the Bachelor's degree in question is not equivalent to the corresponding ETH Zurich degree in content, scope, quality or skills level, or
- b. the language prerequisites set out in Section 1.3 are not satisfied, or
- c. the performance prerequisites set out in Section 1.4 are not satisfied, or

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

2.2 Entering the Master's degree programme

2.2.1 Candidates with a Bachelor's degree from ETH Zurich

To students from an ETH Bachelor's degree programme who have been granted admission, the following applies:

- a. Said students can enrol in the Master's 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.³
- b. The normal ETH enrolment dates and deadlines apply.
- 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 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

¹ All candidates must submit an application for admission to the degree programme to the ETH Zurich Admissions Office. The specifications for application, in particular the documents required and the dates/deadlines for submission, are published on the website of the ETH Zurich Admissions Office (www.admission.ethz.ch).

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

³ 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.

⁴ 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.

⁵ On the request of the Director of Studies the Rector makes the final decision regarding admission or rejection. Candidates admitted are not subject to additional requirements.

⁶ The candidate receives a written admissions decision.

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