Appendix

To the Programme Regulations 2021 of the
Master's degree programme in Spatial Development and Infrastructure Systems

13 October 2020 (Version: 13 October 2020)

Applies to students who commence or re-enter the degree programme in Autumn Semester 2021 or later.

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 and language prerequisites for and further details regarding admission to the Master's degree programme in Spatial Development and Infrastructure Systems. It supplements the stipulations of the Admission Regulations of ETH Zurich and the Directive on Admission to Master's degree programmes.

Contents

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1 Profile of requirements

Policy

For admission to the Master's degree programme in Spatial Development and Infrastructure Systems (subsequently 'the degree programme') all of the following prerequisites must be satisfied.

1.1 Qualifying degrees

[1] Admission to the degree programme presupposes a university Bachelor's degree comprising at least 180 ECTS(1 credits, an equivalent university degree, or a Bachelor's degree from a Swiss university of applied sciences(2 in a qualifying discipline (para. 2) the content of which – also with regard to any additional academic requirements within the given framework – satisfies the pertaining academic prerequisites.

[2] The qualifying disciplines are (listed alphabetically):

- Architecture
- Civil Engineering
- Environmental Engineering
- Environmental Sciences
- Geography
- Geomatic Engineering
- Geospatial Engineering
- Landscape Design
- Spatial Development
- Transport Sciences/Transport Systems

[3] A university Bachelor's degree only qualifies the holder for admission to the Master's degree programme at ETH Zurich if it also allows admission without additional requirements to the desired university Master's degree programme within the university system in which it was acquired. The Rector may require proof of a university place, and determines whether said proof must be supplied from the original university or from another university in the country where the Bachelor's degree was acquired.

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

[2] A Diploma from a Swiss university of applied sciences is considered equivalent to a Bachelor's degree in the same discipline. A Bachelor's degree from a German or Austrian university of applied sciences is considered equivalent to a Bachelor's degree from a Swiss university of applied sciences.

1.2 Academic prerequisites

[1] Attendance of the Master's degree programme in Spatial Development and Infrastructure Systems presupposes basic knowledge and skills in technical and scientific disciplines which must in content, scope, quality and skill level be equivalent to those covered at ETH Zurich (discipline requirements profile).

[2] The **discipline requirements profile** comprises **15 credits** in total and is based on knowledge and skills covered in the ETH Bachelor's degree programme in Geospatial Engineering. This includes training in the relevant methodological scientific thinking. Details are set out in Para. 5 below.

[3] 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.

[4] 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.

[5] The **discipline requirements profile** comprises basic knowledge in the course units set out below. Details regarding the content of the corresponding course units are published in the ETH Course Catalogue (www.courses.ethz.ch).

- Project Management (2 credits)
- Spatial Planning and Landscape Development (5 credits)
- Systems Engineering (4 credits)
- Transport Basics (4 credits)

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[3]) must be provided.

[3] Applicants to the degree programme who hold a Bachelor's degree from a university of applied sciences must, according to the pertaining additional requirements, also supply proof of sufficient knowledge of German (level C1).

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

[3] The required language level accords with the scale of the Common European Framework of Reference for Languages (CEFR).

2 Specific stipulations for admission and entry to degree programme

2.1 Specific stipulations for admission to the degree programme

2.1.1 Candidates with a Bachelor's degree in Geospatial Engineering or Geomatic Engineering and Planning from ETH Zurich

Unconditional admission

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

a. Holders of a Bachelor's degree in Geospatial Engineering or Geomatic Engineering and Planning from ETH Zurich
b. Persons who are enrolled in one of these Bachelor's degree programme at ETH Zurich

2.1.2 Candidates with a Bachelor's degree in Geospatial Engineering or Geomatic Engineering (and Planning) from a university outside Switzerland

[1] Holders of a Bachelor's degree or the equivalent in Geospatial Engineering or Geomatics (and Planning) from a university outside Switzerland must satisfy all of the academic and language prerequisites listed in Sections above for admission to the degree programme.

[2] Admission may be subject to additional requirements.

[3] Admission is not possible if any of the following apply

a. the content, scope, quality and skills level of the degree are not equivalent to those at ETH Zurich
b. the language prerequisites are not satisfied

2.1.3 Candidates with a Bachelor's degree in a qualifying discipline other than Geospatial Engineering or Geomatic Engineering (and Planning) from ETH Zürich or another university

[1] Holders of a Bachelor's degree or equivalent from ETH Zürich or another university in a qualifying discipline other than Geospatial Engineering or Geomatic Engineering (and Planning) may be admitted to the degree programme if they can satisfy all of the following prerequisites

a. a very good academic performance during the Bachelor's degree studies
b. the language prerequisites set out above are satisfied

[2] Admission may be subject to additional requirements.

[3] Admission is not possible if any of the following apply

a. the performance prerequisites are not satisfied
b. the content, scope, quality and skills level of the degree are not equivalent to those at ETH Zurich
c. the language prerequisites are not satisfied

2.1.4 Candidates with a Bachelor's degree in a qualifying discipline from a Swiss university of applied sciences

[1] Holders of a Bachelor's degree in a qualifying discipline from a Swiss university of applied sciences may be admitted to the degree programme if they can satisfy all of the following prerequisites

a. a very good academic performance during the Bachelor's degree studies
b. the language prerequisites set out in Section 1.3 above are satisfied

[2] Admission is always subject to the compensation of missing academic and methodlogical knowledge with additional study achievements comprising at least 40 credits.

[3] Admission is not possible if any of the following apply

a. the performance requirements are not satisfied
b. the language requirements are not satisfied
c. the total number of additional credits required to satisfy the academic prerequisites exceeds 60

2.2 Specific stipulations for entering the degree programme

2.2.1 Candidates with an ETH Bachelor's degree in Geospatial Engineering or Geomatic Engineering and Planning

Students of the ETH Zurich Bachelor's degree programme in Geospatial Engineering or Geomatic Engineering and Planning may enrol in the degree programme directly via *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 only a maximum of 60 credits towards the Bachelor's degree are pending. Listed below are the course unit categories in both Bachelor's programmes where pending credits are admissible, and their permitted number. All credits for the Bachelor's degree in the 'basic subjects' category – not listed here – must be acquired in full:

The following applies to the Bachelor's degree programme in **Geospatial Engineering**:

Category	*permitted number of missing credits*
Compulsory courses	16 credits
Elective blocks	16 credits
Electives	14 credits
Science in Perspective	4 credits
Bachelor's thesis	10 credits

The following applies to the Bachelor's degree programme in **Geomatic Engineering and Planning**:

Category	*permitted number of missing credits*
Compulsory courses	36 credits
Elective block	4 credits
Electives	6 credits
Science in Perspective	4 credits
Bachelor's thesis	10 credits

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 qualifying discipline other than Geospatial Engineering or Geomatic Engineering and Planning

The following stipulations regarding entry to the Master's degree programme apply to students from an ETH Zurich Bachelor's degree programme (other than Geospatial Engineering or Geomatic Engineering and Planning) who have been granted admission:

a. The normal ETH enrolment dates and deadlines apply.

b. They can enrol in the 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.[4]

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.

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

3 Application and admission procedure

[1] All candidates – with the exception of matriculated ETH Zurich students from the Bachelor's degree programme in Geospatial Engineering or Geomatic Engineering and Planning – 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).

[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;
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 via the Director of Studies.

[5] On the request of the Director of Studies the Rector makes the final decision regarding admission or rejection.

[6] 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

[1] 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 programme via self-study or by attending classes. The corresponding individual performance assessments must take place by set deadlines.

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

[3] The deadlines and conditions for undergoing said performance assessments depend upon the background of the candidate (see Sections below).

4.2 Candidates with a university Bachelor's degree

[1] Candidates holding a university Bachelor's degree must undertake all of the performance assessments pertaining to the additional admission requirements by the end of the first year of the Master's programme at the latest. The additional requirements, including any assessment repetitions, must be fulfilled at the latest within 18 months of starting the Master's programme at the latest.

[2] A pass grade in each individual performance assessment is required.

[3] A failed performance assessment may only be repeated once.

4.3 Candidates with a Bachelor's degree from a Swiss university of applied sciences

[1] Candidates holding a Bachelor's degree from a Swiss university of applied sciences must undertake all of the performance assessments pertaining to the additional admission requirements by the end of the first year of the Master's programme at the latest. The additional requirements, including any assessment repetitions, must be fulfilled within two years of the start of the Master's programme at the latest.

[2] Session examinations may be combined in examination blocks. The examinations belonging to one examination block must always be undertaken during the same examination session.

[3] A pass grade in the examination block is achieved if the average of the individual grades is at least a 4.

[4] A failed performance assessment or a failed examination block may be repeated once. Repeating an examination block entails repeating all of the examinations belonging to it.