

Appendix

To the Programme Regulations 2011 of the
Master's degree programme in Earth Sciences

31 August 2010 (Version: 1 September 2019)

Applies to students who commence or re-enter the degree programme in Autumn Semester 2020 or later.

For those entering the programme before Autumn Semester 2020 the stipulations of the previous Appendix apply.

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

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 Earth Sciences. 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 Earth Sciences (subsequently 'the degree programme') all of 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 credits⁽¹⁾ or an equivalent university degree in a discipline the content of which – also with regard to any additional academic requirements within the given framework – satisfies the pertaining academic prerequisites.

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 Master's degree programme in Earth Sciences presupposes basic knowledge and skills 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 **80 credits** in total and includes the significant knowledge and skills covered in the ETH Bachelor's degree programme in Earth Sciences. 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.

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.

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** is structured in the three parts listed below. Details regarding the content of the corresponding course units are published in the ETH course catalogue (www.courses.ethz.ch).

Part 1: Basic knowledge and skills (45 credits)

Part 1 comprises 45 credits and covers basic knowledge and skills. The substance of the following course units is required:

Part 1a: *Mathematics, Physics and Chemistry (at least 25 credits)*

Mathematics (at least 13 credits)

- Mathematics I – V (Analysis, Linear Algebra, System Analysis, Statistics, Application-oriented Mathematics specialisation)

Chemistry and/or Physics (at least 12 credits)

- Chemistry I and II / Chemistry practicals
- Physics I and II / Physics practicals

Part 1b: *General Earth Sciences subjects, system-oriented mathematical-scientific bases beyond those in Part 1a (at least 20 credits)*

Of the 20 credits total from Part 1b at least 10 must stem from the following areas of Earth Science:

- General Earth Sciences subjects
- Earth Science excursions and field courses

Part 2: Specialisation-specific knowledge (30 credits)

Part 2 comprises 30 credits and covers knowledge which must be primarily related to the Master's degree specialisation.

Part 3: Independent written work (5 credits)

Part 3 comprises one or more independent written papers or a Bachelor's thesis comprising at least 5 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)⁽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.

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

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 Earth Sciences from ETH Zurich

Unconditional admission guaranteed

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

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

2.1.2 Candidates with a Bachelor's degree in Earth Sciences from another Swiss university

Unconditional admission guaranteed

¹ Unconditional admission to all specialisations of the degree programme is guaranteed for persons holding a Bachelor's degree or the equivalent in Earth Sciences from a Swiss university (other than ETH Zurich).

² Admission is subject to fulfilment of the language prerequisites set out in section 1.3 above.

2.1.3 Candidates with a Bachelor's degree in Earth Sciences from a university outside Switzerland

¹ Holders of a Bachelor's degree or the equivalent in Earth Sciences from a university outside Switzerland must satisfy all of the academic and language prerequisites listed in Section 1.2 and 1.3 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 language prerequisites are not satisfied, or
- b. the content, scope, quality and skills level of the degree are not equivalent to those at ETH Zurich, or
- 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 a discipline other than Earth Sciences

¹ Holders of a university Bachelor's degree or the equivalent in a discipline other than Earth Sciences may be admitted to the degree programme if they can satisfy all of the following prerequisites

- a. the academic requirements set out in Section 1.2 above are satisfied within the given framework
- b. the language prerequisites set out in Section 1.3 above are satisfied
- c. a very good academic performance during the Bachelor's degree studies

² Admission may be subject to additional requirements.

³ Admission is not possible if any of the following apply

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

2.2 Specific stipulations for entering the degree programme

2.2.1 Candidates with an ETH Bachelor's degree

¹ ETH Bachelor's degree in Earth Sciences

Students of the ETH Zurich Bachelor's degree programme in Earth Sciences may enrol in the degree programme directly via www.mystudies.ethz.ch. The admission procedure outlined in Section 3 is waived. Further details:

- a. Enrolment is possible as soon as only a maximum of 30 credits towards the Bachelor's degree are pending and the total number of credits required for the Bachelor's degree in the Basic Subject categories I and II of the Bachelor's degree programme have been obtained.
- 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 ETH Bachelor's degree in a discipline other than Earth Sciences

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

- a. 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.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 – with the exception of matriculated ETH Zurich students from the Bachelor's degree programme in Earth Sciences – 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, 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.

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

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 Physics → MSc Physics).

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 degree 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 are set out in Section 4.2 below.

4.2 Performance assessment deadlines and conditions

¹ 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.

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

³ A failed performance assessment may only be repeated once.