Appendix 1

To the programme regulations 2024 of the
Master's degree programme in Space Systems

18.01.2024 (Version: 22.11.2023)

Applies to students who commerce the degree programme in Autumn 2024 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.

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

Contents

1 Profile of requirements

For admission to the Master's degree programme in Space Systems (the degree programme) all the following prerequisites must be fulfilled.

1.1 Degree qualifications

[1] Admission to the degree programme requires a university Bachelor's degree of at least 180 ECTS credits (credits), an equivalent university degree or a Bachelor's degree from a Swiss university of applied sciences[1] the content of which – in conjunction with any additional requirements - the following academic and performance admission prerequisites can be met.

[2] A Bachelor's degree qualifies its holder for admission to the Master's degree program at ETH Zurich only if it also qualifies unconditional admission to the desired Master's degree programme within the university system in which it was earned. The Rector may also require proof of this, determining whether such proof must be provided by the university of origin or by another university in the country of the Bachelor's degree.

1.2 Academic prerequisites

[1] Attendance of the degree programme require basic knowledge and skills in the disciplines of mathematics and physics, which must be equivalent to those taught at ETH Zurich in terms of content, scope, quality and level of mastery (discipline requirements profile).

[2] The **discipline requirements profile** comprises a total of **80 credits** and is based on the knowledge and skills taught at ETH Zurich in the Bachelor's degree programmes. This also includes the corresponding methodological scientific thinking.

[3] If a candidate does not fully meet the academic prerequisites, admission may be tied to earning of missing subject-specific knowledge and skills (admission with additional requirements). The scope of the additional requirements is expressed in credits.

[4] The academic requirements profile is divided into the two parts listed below. Information on the content of the course units is published in the ETH Zurich Course Catalogue (www.vvz.ethz.ch).

Part 1: Basic knowledge and skills (40 credits)
Part 1 comprises 40 credits and includes basic knowledge and skills in the disciplines of mathematics and physics. Essential knowledge from the following course units is required:

Discipline: Mathematics

Mathematics I – V (Analysis, Linear Algebra, Systems Analysis, Statistics, Application-oriented Specialization in Mathematics)

[1] Degrees from universities of applied sciences from the signatory states of the Lisbon Convention are treated equally.

Discipline: Physics
Physics I and II / Physics Lab

Part 2: Subject-specific knowledge and skills (40 credits)
Part 2 compromises further basic and subject-specific knowledge and skills in technical, natural sciences or Engineering Sciences fields.

1.3 Language prerequisites

[1] The language of instruction in the degree program is English.

[2] Sufficient knowledge of English (level C1[2]) must be demonstrated for admission to the degree program.

[3] Applicants to a degree programme with a Bachelor's degree from a university of applied sciences must also provide proof of sufficient German language skills (level C1) due to the admission requirements.

[4] The required language certificates must be submitted by the last day of the application deadline at the latest. The recognized language certificates will be published on the ETH Zurich website.

1.4 Performance prerequisites

Admission to the degree programme requires very good academic performance in the previous study programme.

2 Specific stipulations for admission

2.1 University Bachelor's degree

[1] Anyone who holds a university Bachelor's degree or at least an equivalent university qualification must fulfill all the prerequisites set out in Section 1.

[2] The admission can be bound with additional requirements.

[3] Admission is not possible if:

a. the language prerequisites are not met; or
b. the performance prerequisites are not met; or
c. additional requirements of more than 30 credits would be necessary to fulfill the academic prerequisites.

[2] The required language level is based on the scale of the Common European Framework of Reference for Languages (CEFR).

2.2 Bachelor’s degree from a Swiss university of applied sciences

[1] If the prerequisites set out in Section 1 are met and very good academic performance has been achieved in the Bachelor's studies, persons who hold a Bachelor's degree from a Swiss university of applied sciences may also be admitted to the degree programme.

[2] Admission is always granted with the condition that missing subject-specific and methodological knowledge is compensated by additional academic requirements amounting to at least 40 credits. The additional requirements include academic performance from Part 1 and Part 2 of the academic prerequisites.

[3] Admission is not possible if:

a. the language or performance prerequisites are not met; or
b. additional requirements would be necessary to fulfill the academic prerequisites, which comprise a total of more than 60 credits.

3 Entry to the Master's degree programme

3.1 Bachelor’s degree from ETH Zurich

[1] For students of a Bachelor's degree programme at ETH Zurich with a positive decision on admission, the following applies: They can enrol in the degree programme as soon as they only need to earn the number of credits for the Bachelor's degree that allows them to enrol in the consecutive Master's degree programme in their field of origin.[3]

[2] The usual dates and deadlines at ETH Zurich apply to enrolment.

[3] Admission is provisional as long as the Bachelor's degree has not been earned. It will be revoked if the Bachelor's degree is not earned or cannot be earned.

3.2 Bachelor’s degree from another university

Candidates with a positive decision on admission can only enter the degree programme once they have successfully completed their previous (Bachelor's) studies.

4 Application and admission procedure

[1] All candidates apply to the Admissions Office of ETH Zurich for admission to the degree program. The binding requirements for the application, in particular the documents to be submitted as well as the dates and deadlines, are published on the website of the Admissions Office of ETH Zurich (www.admission.ethz.ch).

[3] The permitted number of missing credits is specified in the Programme Regulations of the respective consecutive Master's degree programme (e.g.: BSc Computer Science -> MSc Computer Science).

[2] The application can be made at a time when the required completion of studies is not yet available.

[3] Applications will not be considered if:

a. they are not submitted in due time or form; or
b. the relevant fees are not paid.

[4] The degree programme's admissions committee reviews the extent to which the candidates' previous education meets the requirements profile and formulates an application for admission or rejection for the attention of the Director of Studies.

[5] The Rector decides on admission or rejection at the request of the Director of Studies.

[6] Candidates receive a written decision on admission, including the relevant information on any admission requirements.

5 Fulfilling additional admission requirements

5.1 General regulations

[1] Candidates who have been granted admission with additional requirements must earn of the required additional knowledge and skills before or during the Master's degree programme through independent study or attending classes. The performance assessments required for the individual conditional subjects must be completed within the set deadlines.

[2] If the performance assessments are not passed or the deadlines set for them are not met, the degree programme is deemed to have been definitively failed, resulting in exclusion from the degree programme.

[3] The deadlines and conditions for undertaking a performance assessment depend on the candidate's previous education.

5.2 University Bachelor's degree

[1] Candidates with a university Bachelor's degree must have completed all performance assessments for additional requirements for the first time no later than one year after commencement of studies. The additional requirements, including any repeat performance assessments, must be completed no later than one and a half years after the commencement of studies.

[2] Each performance assessment must be passed individually.

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

5.3 Bachelor's degree from a Swiss university of applied sciences

[1] Candidates with a Bachelor's degree from a Swiss university of applied sciences must have completed all performance assessments for additional requirements for the first time no later than one year after commencement of studies. The additional requirements, including any repetition of performance assessments, must be completed no later than two years after the commencement of studies.

[2] The performance assessments can be combined into examination blocks. An examination block is passed if the average grade calculated from the associated individual grades is at least 4.

[3] A performance assessment or examination block that has not been passed once can only be repeated once. When repeating an examination block, all performance assessments belonging to the block must be repeated.