

Appendix

To the Programme Regulations 2011 of the
Master's Degree Programme in Agroecosystem Science

31 August 2010 (Version: 1 November 2011)

Applies to students who commence the degree programme in Autumn Semester 2011 or later.

This is an English translation only. The original German version is the legally binding document.

This appendix sets out the prerequisites for and further details regarding admission to the Master's degree programme in Agroecosystem Science. It supplements the stipulations of the Admission Regulations of ETH Zurich and the Directive on Admission to Master's Degree Programmes.

Contents

- 1 Profile of requirements**
 - 1.1 Degree qualifications
 - 1.2 Academic prerequisites
 - 1.3 Language prerequisites

- 2 Specific stipulations for persons holding a Bachelor's degree in Agricultural Science**
 - 2.1 Bachelor's degree in Agricultural Science from ETH Zurich
 - 2.2 Other Bachelor's degrees in Agricultural Science
 - 2.2.1 General regulations
 - 2.2.2 Bachelor's degree in Agricultural Science from other universities
 - 2.2.3 Bachelor's degree in Agronomy/Agricultural Science from a Swiss university of applied sciences

- 3 Specific stipulations for persons holding Bachelor's degrees in other disciplines**
 - 3.1 General regulations
 - 3.2 Bachelor's degree from ETH Zurich
 - 3.3 Bachelor's degree from another university

- 4 Application and admission procedure**

5 Fulfilling additional admission requirements

- 5.1 General regulations
- 5.2 Candidates with a university Bachelor's degree
- 5.3 Candidates with a Bachelor's degree from a Swiss university of applied sciences

1 Profile of requirements

Policy

For admission to the Master's degree programme in Agroecosystem Science (subsequently 'the degree programme') all of the following prerequisites must be satisfied.

1.1 Degree qualifications

¹ For admission to the degree programme one of the following is required:

- a. a university Bachelor's degree in Agricultural Science comprising at least 180 ECTS¹ credits or an equivalent university degree in Agricultural Science
- b. a Bachelor's degree in Agronomy/Agricultural Science from a Swiss university of applied sciences comprising at least 180 ECTS² credits
- c. a university Bachelor's degree comprising at least 180 ECTS credits or an equivalent university degree in a discipline whose content covers the academic prerequisites listed in 1.2

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

1.2.1 Knowledge and competences

¹ Attendance of the Master's degree programme in Agroecosystem Science presupposes basic knowledge and competences in the disciplines Mathematics, Natural and Social Sciences, Agricultural and Natural Sciences, and Food and Resource Economics which must in content, scope and quality be equivalent to those covered in the ETH Bachelor's degree programme in Agricultural Science (discipline requirements profile).

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.

² The **discipline requirements profile** comprises **77 ECTS credits** in total and is based on knowledge and competences covered in the ETH Bachelor's degree programme in Agricultural Science. This includes training in the relevant methodological scientific thinking.

³ The discipline requirements profile is oriented towards the specialisation selected for the Master's degree programme and is structured in two parts, as follows. Details regarding the content of the corresponding course units are published in the course catalogue (www.vvz.ethz.ch).

1.2.1.1 Specialisations in Animal Science and Crop Science

Part 1: Basic knowledge and competences

Part 1 comprises 65 ECTS credits and covers basic knowledge from the disciplines Mathematics, Natural and Social Sciences and Agricultural and Natural Sciences. The substance of the following course units from the ETH Bachelor's degree programme in Agricultural Science is required:

Part 1a Mathematics, Natural and Social Sciences (at least 61 credits)

- Mathematics at least 10 credits
- Chemistry at least 5 credits
- Physics at least 5 credits
- Biology at least 9 credits
- Social Sciences at least 6 credits

Part 1b Agricultural Science (at least 4 credits)

- World Food System 4 credits

Part 2: Subject-specific knowledge

Part 2 comprises at least 12 credits and covers knowledge related to the chosen specialisation. The required knowledge covers the fundamentals of Crop Science or Animal Science, depending on the area selected.

1.2.1.2 Specialisation in Food and Resource Economics

Part 1: Basic knowledge and competences

Part 1 comprises 65 ECTS credits and covers basic knowledge from the disciplines Mathematics, Natural and Social Sciences and Agricultural and Natural Sciences. The substance of the following course units from the ETH Bachelor's degree programme in Agricultural Science is required:

Part 1a Mathematics, Natural and Social Sciences (at least 55 credits)

- Mathematics at least 16 credits
- Natural Sciences (Chemistry, Physics, Biology) at least 14 credits
- Social Sciences at least 6 credits
- Economics at least 10 credits

Part 1b Agricultural Science (at least 10 credits)

- World Food System at least 4 credits
- Crop Science or Animal Science at least 6 credits

Part 2: Subject-specific knowledge

Part 2 comprises 12 ECTS credits. The required subject-specific knowledge covers fundamentals of Agricultural and Environmental Economics (Agri-environmental economics) and the analysis methods relevant to this area.

1.2.2 Admission with additional requirements

¹ If the academic prerequisites listed in 1.2.1 are not completely satisfied, admission may be granted subject to the acquisition of the missing knowledge and competences in the form of additional credits (admission with additional requirements).

² The candidate must provide proof of the acquisition of the additional knowledge and competences required by passing the pertaining performance assessments by set deadlines (see 5).

³ 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.

1.3 Language prerequisites

¹ The teaching languages of the degree programme are English and German.

² For admission to the degree programme, proof of sufficient knowledge of both English and German (level C1)⁽³⁾ must be provided.

³ The required language level is measured according to the Common European Framework of Reference for Languages (EFR) scale: *The Common European Framework of Reference for Languages*, p. 23f. www.coe.int/t/dg4/linguistic/Source/Framework_EN.pdf

2 Specific stipulations for persons holding a Bachelor's degree in Agricultural Science

2.1 Bachelor's degree in Agricultural Science from ETH Zurich

Unconditional admission

¹ Holders of a Bachelor's degree in Agricultural Science from ETH Zurich are unconditionally admitted to the degree programme.

Registration

² Students of the Bachelor's degree programme in Agricultural Science already matriculated at ETH Zurich should enrol in the degree programme directly via www.mystudies.ethz.ch. The admission procedure outlined in Section 4 is dispensed with.

Entering the Master's degree programme

³ For all Bachelor's degree students already matriculated at ETH Zurich who progress to the ETH Master's degree programme, the following applies:

- a. The normal ETH enrolment dates and deadlines apply.
- b. 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.

⁴ Students of the ETH Bachelor's degree programme in Agricultural Science may enrol directly in the programme, as long as only 34 credits for the Bachelor's degree are pending. Listed below are the course unit categories in the Bachelor's programme where missing credits are admissible, and their permitted number.

<i>Category</i>	<i>Permitted number of missing credits</i>
– Agricultural Science focus	
- Core subjects	15 credits
- Supplementary subjects	5 credits
– Bachelor's thesis	14 credits

2.2 Other Bachelor's degrees in Agricultural Science

2.2.1 General regulations

Application

¹ Interested parties holding a Bachelor's degree in Agricultural Science which was not issued by ETH Zurich should apply through the ETH Zurich Admissions Office for admission to the programme and are subject to the admissions procedure set out in Section 4.

Entering the Master's degree programme

² Candidates who have been granted admission may enter the programme when they have completed the preceding Bachelor's degree programme.

2.2.2 Bachelor's degree in Agricultural Science from other universities

Admission

¹ For admission to the degree programme all the prerequisites listed in Section 1 must be satisfied.

² Admission may be subject to additional requirements.

³ Admission is not possible if the number of additional credits required to satisfy the academic prerequisites exceeds

- 30 credits in total, or
- 15 credits from Part 1 of said academic prerequisites (see Section 1.2.1).

2.2.3 Bachelor's degree in Agronomy/Agricultural Science from a Swiss university of applied sciences

Admission

¹ Admission to the degree programme is guaranteed for those holding a Bachelor's degree in Agronomy/Agricultural Science from a Swiss university of applied sciences, as long as the final Bachelor's degree grade is at least a 5 [according to the Swiss grading system, which involves grades from 1 (lowest) to 6 (highest)],⁴ and the language prerequisites set out in Section 1.3 are satisfied.

² Admission is always subject to the acquisition of additional study achievements comprising at least 40 and at most 60 credits.

³ The additional requirements to be fulfilled by candidates are structured in the following two parts:

Part 1 Additional requirements

Part 1 stipulates the acquisition of at least 45 credits, as follows:

- Mathematics (10 credits)
- Chemistry (5 credits)
- Physics (5 credits)
- Biology (General Biology, Ecology, Biodiversity) (9 credits)
- Microbiology or Biochemistry (2 credits)

⁴ The total grade is always calculated by ETH Zurich. The method of computation used, and other details such as how letter grades are transposed, are stipulated in the Directive on Admission to Master's Degree Programmes.

- Economics, Law (3 credits)
- Resource, Environmental and Agricultural Economics (3 credits)

Part 2 Additional requirements

Part 2 stipulates the acquisition of at least 15 credits in the areas Agricultural and Natural Science and Food and Resource Economics.

3 Specific stipulations for persons holding Bachelor's degrees in other disciplines

3.1 General regulations

Application

¹ Interested parties who hold a qualifying Bachelor's degree in a discipline other than Agricultural Science should apply for the programme via the ETH Zurich Admissions Office, and are subject to the admissions procedure set out in Section 4.

Admission

² For admission to the degree programme all the prerequisites set out in Section 1 must be satisfied. Very good performance in the preceding course of studies is also required.

³ Admission may be subject to additional requirements.

⁴ Admission is not possible if the number of additional credits required to satisfy the academic prerequisites exceeds

- 30 credits in total, or
- 15 credits from Part 1 of said academic prerequisites (see Section 1.2.1).

3.2 Bachelor's degree from ETH Zurich

Entering the Master's degree programme

¹ Students from an ETH Bachelor's degree programme who have been granted admission 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.⁵

² For all Bachelor's degree students who are already matriculated at ETH Zurich and who progress to an ETH Master's degree programme, the following applies:

- a. The normal ETH enrolment dates and deadlines apply.
- b. 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.

⁵ The permitted number of missing credits is set out in the Programme Regulations of the respective consecutive Master's degree programme (e.g., B.Sc. Physics > M.Sc. Physics).

3.3 Bachelor's degree from another university

Entering the Master's degree programme

Candidates who have been granted admission can enter the programme when they have completed the preceding Bachelor's degree programme.

4 Application and admission procedure

¹ All interested parties – with the exception of matriculated ETH Zurich students from the Bachelor's degree programme in Agricultural Science – must submit an application for admission to the degree programme. 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 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.

⁴ The Rector makes the final decision regarding admission without additional requirements, admission with additional requirements, or rejection.

⁵ The candidate receives a written admissions decision which includes relevant information concerning any additional admission requirements.

5 Fulfilling additional admission requirements

5.1 General regulations

¹ Candidates who are admitted subject to the fulfilment of additional requirements must acquire the required additional knowledge and competences 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 5.2 and 5.3).

5.2 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. All additional requirements, including any assessment repetitions, must be fulfilled within 18 months of the start of the Master's programme at the latest.

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

³ A failed performance assessment may be repeated once.

5.3 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. All additional requirements, including any assessment repetitions, must be fulfilled within two years of the start of the Master's programme at the latest.

² The performance assessments may be undertaken as examination blocks. A pass grade in the examination block is achieved if the average of the individual grades is at least a 4.

³ A failed performance assessment or a failed examination block may be repeated once. Repeating an examination block entails repeating all of the performance assessments belonging to it.