

## MASTER DEGREE PROGRAM

The Department of Environmental Sciences offers a comprehensive Master (MSc) course in Plant Science for graduates with a background in biology (BSc in biology or equivalent). Courses and research topics in the program cover a broad spectrum of plant biological themes reaching from molecular biology to plant physiology and ecosystem processes. The cornerstone of the course is an individual research project in the area of plant sciences.

The MSc in Plant Science builds on the strengths in plant research at the University of Basel. The program also benefits greatly from interactions with the Zurich-Basel Plant Science Center that offers lectures and seminars in many different research areas of plant sciences. For more information visit: [www.plantsciences.uzh.ch/en](http://www.plantsciences.uzh.ch/en)

## TOPICS

Research topics for Master theses are typically associated with a larger research project and involve active research in the field, the greenhouse and in our laboratories. Master theses are offered in the following research areas:

- Physiological plant ecology
- Plant-microbe interactions
- Ecosystem sciences
- Sustainable land use
- Alpine plant ecology
- Plant molecular biology
- Flower biology
- Plant phylogeny
- Plant protection and biocontrol

A more detailed description of currently available topics for Master theses can be found on the following websites:  
[duw.unibas.ch/en/plantscience/](http://duw.unibas.ch/en/plantscience/)  
[bio.unibas.ch/en/studies/msc-plant-science/](http://bio.unibas.ch/en/studies/msc-plant-science/)

## FACTS

### Curriculum

Master Thesis	50 ECTS
Master Exam	10 ECTS
Lectures and Seminars	30 ECTS
Total Master Program	90 ECTS

**Degree title:** Master of Science (MSc) in Plant Science

**Duration of the program:** 18 months

**Language:** English

**Start of the program:** Fall or spring

**Admission:** Students with a BSc in Biology

Students with a Bachelor of Science in Biology from the University of Basel are admitted to the Master of Science in Plant Science without reservation. All other students need to be admitted by the Student Administration Office (Studiensekretariat) of the University of Basel.

### Registration

Student Administration Office

Phone: +41 61 207 30 23

[unibas.ch/admission](http://unibas.ch/admission)

## Voices from students



«I have learnt numerous research approaches – ranging from sampling agricultural fields to breeding plant mutants to in vitro microbial assays - and applied these to a fulfilling project to broaden the current understanding of the mechanisms underlying crop rotation.»

Sam Field, Master student





Career opportunities for graduates with a MSc in Plant Science are wide-ranging. Graduates can proceed in their academic career and pursue a doctoral qualification at the University of Basel or any other academic institution. Graduates are also trained for a successful career in any field of life sciences in the private or public sector.

The diploma for biology teachers at the University of Basel is based on a Master's degree in one or two subjects.



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### Voices from students

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«The Master gave me the chance to dive extensively into the biology of flowers. Combining exciting field trips and laboratory work behind a microscope was a unique possibility to broaden my understanding of plant species diversity and functions.»

**Ursina Studer, Master student**

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University  
of Basel

Department of  
Environmental Sciences

## Master of Science in Plant Science

