



Plant Science related Master Programs University of Basel

EUCOR TREE meeting, KIT Karlsruhe, 2018-07-18

Content

- Master studies at University of Basel
 - Master in Plant Sciences &
 - Master in Ecology
- Opportunities for Eucor students

Master studies

General information

- Start of program: Fall and spring semester
- Duration of study: 18+ months
- Credits: 90 ETCS
- Language: English

Details

- <https://www.unibas.ch/en/Studies/Degree-Programs/Degree-Programs/Plant-Science.html>
- <https://www.unibas.ch/en/Studies/Degree-Programs/Degree-Programs/Ecology.html>

<https://bio.unibas.ch/de/studium>

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Master studies

Structure

Curriculum

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

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Master studies

Structure

Great **emphasis** is given to the **Master**

The core of the **Master program** is a **research** project leading to the Master thesis:

- Student develops and performs a research project (planning, data collection, analysis and writing phase).
- Project involves work in the field, plant growth facilities and/ or in the lab
- Project research topic chosen from the research field of the teams working in Ecology or Plant Science at the Department of Environmental Sciences (DUW).

Course participation (lectures, seminars, etc):

- Core choice upon agreement with your master thesis supervisor
- Free choice for additional courses offered by:
 - University of Basel
 - Zurich-Basel Plant Science Center (= U Basel, U Zürich and ETH Zürich research & education network).

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Master studies

Admission requirements & application

- Students with a **Bachelor of Science (BSc) 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.
 - additional courses might be required (e.g. block course participation).

Admission information

<https://www.unibas.ch/admission>

Application

Fee: CHF 100.

Deadlines

30 April / 30 November, <http://www.unibas.ch/application>

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Courses at University of Basel

→ Enrollment procedures for EUCOR students

If the student's university has an **EUCOR logo on the student identity card**: The student only needs to visit in person the University of Basel Student Services to register once (no fees).



The student will then receive a stud.unibas.ch **eMail account** and thus can **enroll in courses** through the Basel University Vorlesungsverzeichnis (course directory)

<https://www.unibas.ch/en/Studies/Course-Directory.html>

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Opportunities @ Uni Basel for EUCOR Plant Science students

- **Lab stage**: Students can directly contact professors/group leaders. Individual agreements will have to be set up.
- **Master thesis**: Individual research project, duration is usually 12 months, can be reduced depending on the regulations of the home university.
- University of Basel course directory listing:
<https://www.unibas.ch/en/Studies/Course-Directory.html>

Note: Course registration ends four weeks after the lecture period begins.

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Research groups involved in the EUCOR Tri-national European Master of Plant Science project (TREE)

At the **Department of Environmental Sciences** (DUW) we currently have three (soon four) groups involved in plant science research:

- **Plant Ecology and Evolution** (Prof. Dr. Yvonne Willi)

<https://duw.unibas.ch/de/ecoevo/>



- **Physiological Plant Ecology** (Prof. Dr. Ansgar Kahmen)

<https://ppe.duw.unibas.ch/>



- **Conservation Biology** (Prof. Dr. Bruno Baur)

<https://conservation.unibas.ch>



- One **vacant** professorship (to be appointed)

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Topics for Master thesis research projects

- Physiological plant ecology
- Plant-microbe interactions
- Ecosystem sciences
- Sustainable land use
- Alpine plant ecology
- Plant molecular biology
- Flower biology
- Plant phylogeny
- Plant molecular biology
- Response to environmental stress: from genes to ecosystems
- Ecology & evolution of the distribution of species
- Climate change biology
- Conservation biology
- Invasion biology
- Species interactions: competition, herbivory, pollination
- Community ecology
- Biodiversity research

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<https://bio.unibas.ch/>

<https://www.unibas.ch/en/Studies/Degree-Programs/Degree-Programs/Ecology.html>

<https://www.unibas.ch/en/Studies/Degree-Programs/Degree-Programs/Plant-Science.html>

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EUCOR at University of Basel

General information for EUCOR students wishing to attend classes at the University of Basel (incoming)

<https://www.unibas.ch/en/Studies/Mobility/Mobility-in-the-Region/Eucor/Eucor-Incoming.html>

Contact for the EUCOR TREE project at the University of Basel

- Prof. Dr. Yvonne Willi (lead)
- Sylvia Martinez, sylvia.martinez@unibas.ch, coordinator

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Thanks
for your attention.

Course of action for a Master's in plant science

- 1 Choose a professor/group leader OR
- 2 Choose topic within professor or group leader
- 3 Start with research work (might dependt on growing season)
- 4 Participate in courses (some might be assigned to student by prof/group leader)

Courses often held in German but held in English by request.

Additional (mandatory) participation
Group seminars, journal club, colloquium