

MASTER DEGREE PROGRAM

Within the Basel life science program, the Department of Environmental Sciences and its associates offer a comprehensive 1.5 year Master (MSc) course in Animal Biology for graduates with a background in biology (Bachelor of Science or equivalent). The course builds on the strengths and leadership of our zoological research, particularly in population biology, evolutionary genetics, developmental biology and evolutionary ecology.

The core of the program is the MSc thesis, in which you actively participate in our research units with your own individual project. You will combine this fascinating experience with courses designed to broaden your expertise in life sciences.

The course module includes diverse topics such as evolutionary genetics, host-parasite interactions, advanced level evolutionary biology, and speciation. Furthermore, we offer seminars to current topics in zoology and evolution, advanced statistics courses, summer schools and field courses.

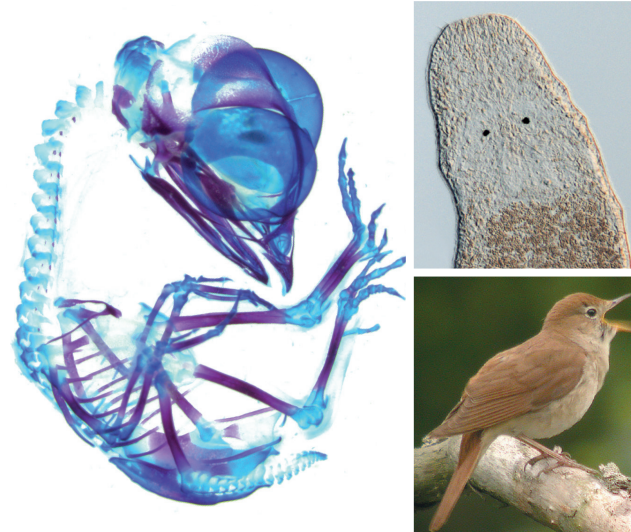
Moreover, students are also encouraged to take courses at other institutions of the Basel Life Science community.



TOPICS

- **Evolution of host-parasite interactions**
Group Dieter Ebert
- **Speciation and adaptive radiations**
Group Walter Salzburger
- **EvoDevo and gene regulatory evolution**
Group Patrick Tschopp
- **Behavioral ecology and conservation biology**
Group Valentin Amrhein
- **Evolutionary biology of sexual reproduction**
Group Lukas Schärer
- **Genomics of ecological diversification**
Group Daniel Berner

For more information please visit duw.unibas.ch or check evolution.unibas.ch/teaching/index.htm evolution.unibas.ch/teaching/master/master.htm



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 Animal Biology

Duration of the program: 18+ months

Language: English

Start of the program: Fall or spring

Admission: Students with a BSc in Biology

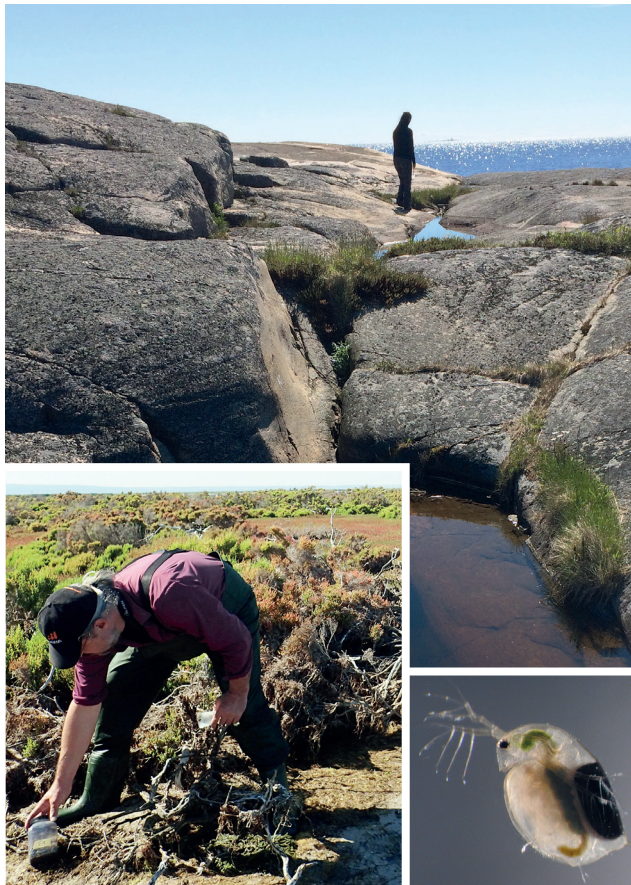
Students with a Bachelor of Science in Biology from the University of Basel are admitted to the Master of Science in Animal Biology without reservation. All other students need to be admitted by the Student Administration Office (Studiensekretariat) of the University of Basel.

Registration

Student Administration Office

Phone: +41 61 207 30 23

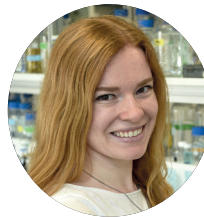
unibas.ch/admission



With a MSc degree in Animal Biology, you will acquire cutting-edge knowledge in biological research. This will enable you to enter a PhD program in all areas of biology, and to grasp opportunities in the agro-, pharma- and biotech-industries as well as in public research units, universities and private enterprises.

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

Voices from students



«I was interested in understanding evolutionary processes occurring «close to home», that is in European freshwater fish. For my Master thesis I examined the autosomal genomic differences between male and female threespined stickleback from Lake Constance. I really appreciated the opportunity of combining laboratory work with bioinformatic approaches, which allowed me to analyse big data from whole genomes and to observe evolution at the molecular level.»

Mirjam Bissegger, Master student



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University
of Basel

Department of
Environmental Sciences

Master of Science in Animal Biology

