Master of Science (MSc) in Behaviour, Evolution and Conservation

Geoscience, ecology and environment

www.unil.ch/ecoledebiologie

© Sébastien Tesson - UNIL
**OBJECTIVES / ASSETS**
Ecology is the integrated study of organisms in their biotop, and thus requires knowledge on the physical environment, which is also often required in evolutionary biology studies. The Geoscience, Ecology and Environment specialisation (GEE) allows biology students to gather a complementary training in geo- and environmental sciences resulting in a synthetic view of ecosystems that can then be used in practical or fundamental studies in ecology and evolution.

**CONTENT**
- Advanced complementary training in geo- and environmental sciences.
- A selection of courses in geoscience, environment, ecology, biodiversity and conservation, as well as in field and laboratory data sampling (inc. environmental metagenomics), analysis and modelling.
- The specialisation requires a First-step research project and a Master project, separate or in continuation, that must be conducted on an approved Geoscience, Ecology and Environment topic.

**MANDATORY COURSES**
- Advanced Data Analysis in Biology
- Introduction to Scientific writing
- Molecular Genetics (incl. Metagenomics)
- Spatial Analysis and Geographic Information System in Ecology

**PROJECTS**
- First step project in the field of specialisation
- Master’s thesis in the field of specialisation

**OPTIONAL COURSES**
- Large choice of disciplinary and crossdisciplinary courses

**GENERAL INFORMATION**
The Master of Science (MSc) in Behaviour, Evolution and Conservation (BEC) amounts to 90 ECTS and is taught entirely in English. BEC students may obtain the Master without specialisation, or with specialisation Geoscience, Ecology and Evolution (GEE), Behaviour, Economics and Evolution (BEE), or Computational Ecology and Evolution (CEE).

**ADMISSION REQUIREMENTS**
Candidates to the Master BEC must hold a Bachelor of Science (BSc) in Biology or in a field considered to be equivalent, awarded by a Swiss university. Another degree or academic title may be judged equivalent and give access to the Master, with or without further conditions.

**STUDY PROGRAMS**
www.unil.ch/eb-bec > Study programme > Regulations and directives

To obtain the GEE specialisation, you must choose and pass your First-step project and your Master’s project within the field of the specialisation.

If you want to obtain the Master’s degree with a specialisation, you must indicate your choice to the School of Biology when enrolling for the Master’s thesis.

**Head of studies**
Prof. Jérôme Goudet

**Responsible for the specialisation**
Prof. Antoine Guisan

**Further information**
www.unil.ch/eb-bec > Geoscience, Ecology and Environment