Master of Science (MSc) in Molecular Life Sciences specialisation in

**bioinformatics**

www.unil.ch/ecoledebiologie
OBJECTIVES / ASSETS
This programme aims to train flexible and adaptable interdisciplinary scientists. The emphasis is on integrating solid bioinformatics with biology.

You are encouraged to pursue Master projects either in bioinformatics, developing new tools and methods, or in experimental biology groups, where bioinformatics is key to making sense of high throughput data (genomes, transcriptomes, etc.).

You can continue as a bioinformatician in an academic or industrial research environment, or pursue further training towards a PhD, either specializing further in bioinformatics, or using your skills in combination with experimental approaches to advance knowledge in biology.

CONTENT
• Two common courses with other Molecular Life Sciences students: “Sequence a Genome” (including both wet-lab experiments and bioinformatics), and a scientific writing class where you write a review article and a research proposal.
• Training in programming.
• Advanced training in statistics and bioinformatics.
• A large choice of optional courses in biology and bioinformatics.
• A Master project which can be performed in an experimental biology or a bioinformatics group.

GENERAL INFORMATION
The Master of Science (MSc) in Molecular Life Sciences (MLS) amounts to 90 ECTS credits and is taught entirely in English. MLS students may obtain the Master without specialisation, or with a specialisation in Bioinformatics, Microbiology or Integrative Biology.

ADMISSION REQUIREMENTS
Candidates to the Master MLS must hold a Bachelor of Science (BSc) in Biology or in a field considered to be equivalent awarded by a Swiss university. Another degree awarded by a foreign university may be judged equivalent and give access to the Master’s degree programme, with or without further conditions. No prior level of programming is required.

CONDITIONS FOR OBTAINING THE QUALIFICATIONS OF MASTER’S DEGREE WITH SPECIALISATION
www.unil.ch/eb-mls > Study programme > Regulations and directives

To obtain the Bioinformatics specialisation, you must choose and pass 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. Richard Benton

Responsible for the specialisation
Prof. Sven Bergmann

Further information
www.unil.ch/eb-mls > Specialisations > Bioinformatics