Master of Science in LIFE SCIENCES AND TECHNOLOGY

2-year program - 120 ECTS

Core courses, 15 ECTS

- Microscopy, Imaging and Data analysis
- Scientific thinking

Project in Human and Social Sciences 6 ECTS

Industrial internship 6 ECTS

Master’s thesis 30 ECTS

Orientations and options 49 ECTS

Validation of Orientation requires at least 25 ECTS with the same label (A or B) from the “Core courses” and the “Orientations and options”

Students must choose at least 3 ECTS in domain C.
A: Molecular Medicine and Systems Biology
B: Neurosciences and Neuroengineering
C: Law or Economics

Students can also opt for a 30 ECTS Minor. Minors recommended with this Master:
- Biocomputing
- Computational Neurosciences
- Management, Technology, Entrepreneurship
- Neuroprosthetics

This program includes an 8-week compulsory internship in industry.

Target student profile
Students with a background in physics, engineering or mathematics who are interested in modern questions of the life sciences are particularly encouraged to apply.

Career prospects

The palette of skills that EPFL Life Sciences and Technology students acquire will prepare them to tackle biological problems quantitatively, to put together models of biological systems to help illuminate problems, and to come up with strategies for research and innovation.

Their combined expertise in biology and engineering will make them ideal partners for research and development in multidisciplinary groups in the academic world or in the pharmaceutical or biomedical industries such as Nestlé, Roche, Novartis, or Debiopharm.

International agreements for study exchange with universities in Europe, the US and Asia create a dynamic atmosphere and offer opportunities for future collaboration or employment.

EPFL has an important institutional commitment to technology transfer, and spin-offs from life science technology research located on campus (PSE) such as AC Immune SA, Mindmaze SA, or Biocartis SA offer internships, master projects and job opportunities for LST students.

School of Life Sciences
master.epfl.ch/lifesciences
contact: master-stv@epfl.ch

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