Master of Science in MICROENGINEERING

2-year program - 120 ECTS

- Master’s thesis: 30 ECTS
- Project in social and human sciences: 6 ECTS
- Semester projects: 20 ECTS
- Options: 39 ECTS
- Basics for orientations: 15 ECTS
- Products design and systems engineering: 10 ECTS

Industrial internship
The program includes a compulsory 8-week internship which can be extended to 6 months and/or combined with the Master’s thesis.

Students may organize their study plan around one of the following orientations:
- Optics and photonics
- Micro and nanosystems
- Production and advanced manufacturing

They may choose a 30 ECTS minor within the optional courses. Recommended minors with this program:
- Biomedical technologies
- Imaging
- Photonics

Admission criteria
EPFL Bachelor’s degree in Microengineering.

A Bachelor’s degree in Computer Science, Electrical Engineering, Mechanical Engineering, or any related field with an interdisciplinary background and an excellent academic record may also be accepted. However, candidates must master at least two of the three following fields: computer science, electronics, and mechanical engineering. Additional credits to fill any gaps may be required.

Career prospects
The EPFL MSc in Microengineering opens a broad range of career opportunities in research departments and manufacturing units over the entire industry spectrum, from start-ups to multinational groups. Microengineers are highly sought after in high-tech sectors, where their solid and broad profile empowers them to lead research and development, as well as to oversee production in industries ranging from aerospace and medtech to the watch industry.

School of Engineering
go.epfl.ch/master-microengineering
contact: smt@epfl.ch