Master of Science in

ELECTRICAL AND ELECTRONIC ENGINEERING

2-year program - 120 ECTS

Master’s thesis

30 ECTS

Core courses in
chosen track

20 ECTS

Courses and Projects for Specialization

or MINOR

30 ECTS

Optional courses according to list

20 ECTS

Possible Minors:

• Biomedical Technologies
• Computational Science & Engineering
• Energy
• Management, Technology and Entrepreneurship
• Science, Technology and Area Studies
• Space Technologies

or 30 ECTS internship (4-6 months)

Possible specializations:

A Digital Design and Computer Engineering
B Analog, Mixed-Signal and RF Design
C Data, Signal & Image Science
D Communication Technologies
E Optoelectronics and Optics
F Advanced Control and Communication for Power Systems Operation
G Renewables and Energy Conversion Systems

Industrial internship

The program includes a minimum 8-week long compulsory internship.

A longer internship may be done instead of a specialization or in combination with the Master’s thesis.

School of Engineering
master.epfl.ch/electricalengineering
contact: philippe.gay-balmaz@epfl.ch