Master of Science in ELECTRICAL AND ELECTRONIC ENGINEERING

2-year program - 120 ECTS

- Master's thesis 30 ECTS
- Core courses and optional courses/labs/projects 40 ECTS
- Lab in data science A B C D E 4
- Lab in electrical energy systems A B C 4
- Lab in mathematics A B C D E F G 4
- Lab in signal and image processing A B C D E F 4
- Lab on apps development for tablets and smartphones A B C D E F G H 4
- Project in Electrical Engineering A C D E F G 10
- Project in human and social sciences 6 ECTS
- Specialization or minor 30 ECTS

Mandatory labs and Projects 14 ECTS

Possible minors:
- Biomedical Technologies
- Computational Science & Engineering
- Energy
- Management, Technology and Entrepreneurship
- Science, Technology and Area Studies
- Spatial Technologies

or 30 ECTS internship (4-6 months)

Possible specializations*:
A Microelectronics circuits and systems
B Electronic technologies and device-circuit interactions
C Bioelectronics
D Internet of Things (IoT)
E Data Science and Systems
F Signal, Image, Video and Communication
G Wireless and Photonics Circuits and Systems

* The specialization in energy has been replaced by a Master in Energy Science and Technology

Industrial internship
The program includes a minimum 8-week long compulsory internship.
A longer internship may be done in addition to a specialization or in combination with the Master's thesis.

School of Engineering
go.epfl.ch/master-electrical-electronic-engin
contact: philippe.gay-balmaz@epfl.ch

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<tr>
<th>Credits</th>
<th>Specialization</th>
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<tr>
<td>14</td>
<td>Microelectronics</td>
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