Master of Science in MATERIALS SCIENCE AND ENGINEERING

2-year program - 120 ECTS

Core courses
16 ECTS

Options
48 ECTS

Semester projects
20 ECTS

Master’s thesis
30 ECTS

Specialization:
Students may validate the “Materials research and development” specialization by choosing 30 ECTS in the optional courses group

Or opt for a 30 ECTS minor included in the 48 ECTS optional courses. Minors recommended with this Master:
- Biomedical technologies
- Computational science and engineering
- Energy
- Engineering for sustainability
- Management, technology and entrepreneurship
- Mechanical engineering
- Space technologies

Industrial internship
The program includes a compulsory 8-week to 6-month industrial internship, which can be combined with the Master’s thesis.

Career prospects
A Master’s degree in materials science and engineering is the gateway to careers in a wide variety of industries ranging from the production of materials to the manufacturing of finished products such as watches, sports equipment, aeronautic, foods, metallurgy, automobiles, electronics, and multimedia. It also provides an ideal training for the innovative application of advanced materials in areas such as bio- and nanotechnology as well as a strong basis for those who wish to pursue a PhD degree in Materials Science or a related field.

School of Engineering
go.epfl.ch/master-materials-science-engineering

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