Master of Science in
APPLIED MATHEMATICS
2-year program - 120 ECTS

Students may choose following tracks:

- Algebra and geometry
- Algorithmic and Discrete Mathematics
- Analysis
- Numerical Analysis
- Probability
- Statistics

Among the Optional courses (44 ECTS) 5 ECTS have to be taken within the following engineering courses:

- Biological modeling of neural networks
- Biomedical signal processing
- Signal processing for communications
- Statistical signal and data processing through applications
- Applied data analysis
- Algorithms
- Advanced Algorithms
- Information theory and coding
- Investments
- Credit risk
- Fixed income analysis
- Quantitative risk management
- Principles of Microeconomics
- Relativity and cosmology I
- Relativity and cosmology II

The students may choose a Minor program in Engineering (30 ECTS) and shorten the industrial internship.

School of Basic Sciences
go.epfl.ch/master-applied-mathematics
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