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

Students must choose at least 30 ECTS worth of courses labelled A.

Optional courses are classified in the following tracks:
• Algebra and geometry
• Algorithmic and discrete mathematics
• Analysis
• Numerical analysis
• Probability and interactions / Statistics

On top of the Optional courses (40 ECTS) students must choose 4 ECTS in another engineering program, except if they opt for a 30 ECTS engineering minor.

Approved courses sample:
• Applied 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
• Quantitative risk management
• Principles of microeconomics
• Relativity and cosmology I
• Relativity and cosmology II

Students opting for a minor in engineering may shorten their industrial internship.

School of Basic Sciences
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