Bachelor's degree in mathematics

Bachelor's degree year 1 - semester 1

Analysis 1 (6 ECTS)
Algebra 1 (6 ECTS)
Physics: introduction (6 ECTS)
Programming 1 (3 ECTS)
Algorithm and computing : initiation (3 ECTS)
Language techniques (3 ECTS)
English (3 ECTS)

Bachelor's degree year 1 - semester 2

Analysis 2 (6 ECTS)
Algebra 2 (6 ECTS)
Electrokinetic (3 ECTS)
Programming 2 (6 ECTS)
Transdisciplinary option (3 ECTS)
Language techniques and professional project (3 ECTS)
English (3 ECTS)

Bachelor's degree year 2 - semester 1

Algebra and analysis: complement (6 ECTS)
Probability and statistics (6 ECTS)
Option (6 ECTS), choose between:
* Algorithm and data structure (6 ECTS)
* General mechanics (6 ECTS)
Option (6 ECTS), choose between:
* Electromagnetism (6 ECTS)
* C programming (3 ECTS)
* Advanced C programming (3 ECTS)
Transdisciplinary option (3 ECTS)
English (3 ECTS)

Bachelor's degree year 2 - semester 2

Analysis 3 (6 ECTS)
Algebra 3 (6 ECTS)
Analysis 4 (6 ECTS)
Option (6 ECTS), choose between:
* Discrete mathematics (6 ECTS)
* Electromagnetic waves (3 ECTS)
* Optical physics (3 ECTS)
Option (3 ECTS), choose between:
* Mathematics (3 ECTS)
* Vibrations and waves (3 ECTS)
English (3 ECTS)

Bachelor's degree year 3 - semester 1

Differential calculus (6 ECTS)
Integration (6 ECTS)
Algebraic structure (6 ECTS)
Option (6 ECTS), choose between:
* Geometry (6 ECTS)
* Algorithm and introduction to complexity theory (6 ECTS)
Option (3 ECTS), choose between:
* Professional culture and integration (3 ECTS)
* School teacher internship (3 ECTS)
English (3 ECTS)

Bachelor's degree year 3 - semester 3

Differential equation (6 ECTS)
Probability theory (6 ECTS)
Numerical analysis (6 ECTS)
Option (6 ECTS), choose between:
* Curves and surfaces (6 ECTS)
* Elements of object-oriented programming (3 ECTS)
* Web programming (3 ECTS)
* Internship (6 ECTS)
Option (3 ECTS), choose between:
* Teaching mathematics (3 ECTS)
* Professional culture (3 ECTS)
English (3 ECTS)