



DURATION OF STUDIES

2 years (4 semesters)

LANGUAGE OF INSTRUCTION

French

Working knowledge of English is recommended.

CONDITIONS OF REGISTRATION

www.unige.ch/conditions/MA

ADMISSION CONDITIONS

A Bachelor in Mathematics or in Mathematics, Computer Science and Numerical Sciences, or a degree deemed equivalent upon review of the application.

Master's Programme

THE MASTER IN MATHEMATICS

is an extension of the Bachelor of Science in Mathematics or in Mathematics, Computer Science and Numerical Sciences, which gives students the opportunity to specialise in one of the research areas of the Mathematics section (algebra, analysis, geometry, mathematical physics, numerical analysis, probability and statistics, topology).

The programme includes advanced courses for specialisation in particular fields and elective courses offered by other university sections or departments to broaden the scope of their degree. Through this programme, students will learn to use the mathematical tools that are now essential in research, industry, economics and finance.

STUDY PROGRAMME

4 semesters (max. 8 semesters) | 120 ECTS credits

Required courses and electives

90 credits

Electives or advanced courses (72 credits)

- Knot Theory
- Numerical Optimisation
- Tropical Geometry
- Percolation Theory
- Spectral Graph Theory, etc.

Seminar (12 credits)

- Algebra and Topology
- Analysis, Probability and Mathematical Physics
- Applied Mathematics and Numerical Analysis
- Geometry and Physics
- Groups, Geometry and Combinatorics, etc.

Reading project (6 credits)

Enables students to begin specialising in the field chosen for their Master's dissertation.

Dissertation

30 credits

ACADEMIC CALENDAR

www.unige.ch/calendar

LEVEL OF FRENCH REQUIRED BY UNIGE

No French proficiency test required for non-Francophones.

MOBILITY

Students may earn up to 30 credits while on exchange. They may also conduct research outside the university, under the supervision of a faculty member, or do a work placement at a leading external laboratory in order to complete their Master's degree.

www.unige.ch/exchange

PROFESSIONAL PROSPECTS

The Master in Mathematics opens up a number of opportunities both in Switzerland and abroad, including:

- Applied research in the private sector
- Telecommunications
- Insurance
- Banks and financial institutions
- Pharmaceutical companies and industry
- Consulting
- Academic research (doctoral, post-doctoral)
- Teaching, etc.

UNIVERSITY TAXES

500 CHF / semester

REGISTRATION

Deadline for candidates that hold a foreign bachelor's degree: 28 February 2024
(30 April 2024 for candidates that hold a Swiss bachelor's degree at the start of the next academic year AND, according to their nationality, are not subject to a visa for entry into Switzerland for more than 90 days, according to Swiss government requirements and regardless of their current place of residence, or for candidates holding a Swiss residence permit that is valid beyond 30 April.)

www.unige.ch/enrolment

CONTACTS FOR STUDIES

FACULTY OF SCIENCE

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STUDENT AFFAIRS

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ACADEMIC ADVISOR

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MATHEMATICS SECTION

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www.unige.ch/sciences