



© Yvan Velenic

DURATION OF STUDIES

1.5 years (3 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 and Computer Science, 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 and Computer Science, which gives students the opportunity to specialise in one of the research areas of the Mathematics section (algebra, analysis, geometry, topology, mathematical physics, probability and statistics, numerical analysis). The programme offers two streams: the «research» stream includes advanced courses for specialisation in a chosen field; the «general» stream allows students to broaden the scope of their degree by choosing electives offered by other university sections or departments. Through this programme, students will learn to use the mathematical tools that are now essential in research, industry, economics and finance.

AVAILABLE ORIENTATIONS:

- Research
- General

STUDY PROGRAMME

3 semesters (max. 6 semesters) | 90 ECTS credits

Required courses and electives

60 credits

Electives or advanced courses (40 credits)

- Knot Theory
- Optimisation
- Tropical Geometry
- Fundamentals of Mathematical Finance Seminar, etc.

Seminar (10 credits)

- Algebra
- Geometry and Combinatorics
- Numerical
- Analysis, Mathematical Physics, etc.

Reading project (10 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: 30 April 2020

(28 February 2020 for applicants subject to a visa because of their nationality, as set forth in Swiss federal regulations)

www.unige.ch/enrolment

CONTACTS FOR STUDIES

FACULTY OF SCIENCE

Sciences II
30 quai Ernest-Ansermet
1211 Genève 4

STUDENT AFFAIRS

T. +41 (0)22 379 66 61/62/63
secretariat-etudiants-sciences@unige.ch

ACADEMIC ADVISOR

Xavier Chillier
T. +41 (0)22 379 67 15
conseiller-etudes-sciences@unige.ch

MATHEMATICS SECTION

David Cimasoni
Conseil-etu-math@unige.ch
unige.ch/math/folks/cimasoni/conseil.html

www.unige.ch/sciences