



#### DURATION OF STUDIES

1.5 years (3 semesters)

#### LANGUAGE OF INSTRUCTION

English

#### CONDITIONS OF REGISTRATION

[www.unige.ch/conditions/MA](http://www.unige.ch/conditions/MA)

#### ADMISSION CONDITIONS

[www.unige.ch/gsem/en/programs/masters/admissions](http://www.unige.ch/gsem/en/programs/masters/admissions)

### *Master's Programme*

## MASTER IN STATISTICS

The Master in Statistics focuses on data analysis, methodological problem-solving in a range of disciplines, various types of statistics software or mathematical statistics. The programme is open not only to experts who wish to improve their theoretical skills in statistical research, but also to non-experts who wish to develop their data analysis skills in an area of specialisation acquired at the Bachelor level.

## STUDY PROGRAMME

3 semesters (max. 5 semesters) | 90 ECTS credits

### Core courses

36 credits

- Modern Flexible Regression
- Linear Models for Dependent Data
- Multivariate Analysis
- Analytics Consulting
- The Statistical Analysis of Time Series
- Research Seminar in Statistics
- Applied Bayesian Statistics

### Electives courses

24 credits

- Advanced statistical inference
- Models and Empirical Methods for Asset Pricing
- Econometrics
- Experimental Design: Theory and Practice
- Financial Econometrics
- Machine Learning
- Model Selection in High Dimensions
- Data Driven Impact Evaluation
- Stochastic Processes in Finance
- Teaching Statistics
- Invited Lecture in Statistics (not taught in 2022-2023) ? Introduction to Causal Learning (not taught in 2022-2023)
- Fundamental and Advanced Sampling Techniques
- Advanced Topics in Machine Learning

+ 9 possible courses outside the faculty

### Master Thesis

30 credits

*A complementary programme may be requested from students during the first year (max. 30 credits).*

## ACADEMIC CALENDAR

[www.unige.ch/calendar](http://www.unige.ch/calendar)

## LEVEL OF FRENCH REQUIRED BY UNIGE

**No French proficiency test required for non-Francophones.**

## LEVEL OF ENGLISH

**For non-native English speakers, B2 level is required.**

## MOBILITY

Master students at the GSEM may go on exchange for one semester. Students may go on exchange as early as their 3rd semester. They may earn up to 30 credits while on exchange. The master thesis cannot be substituted.

[www.unige.ch/exchange](http://www.unige.ch/exchange)

## PROFESSIONAL PROSPECTS

Master of Science in Statistics opens doors to opportunities in various industries: in food and beverage industry, international organizations, in (cantonal and federal) statistics offices, in financial companies, biostatistics (in the pharmaceutical industry) and in many other areas. Finally, the continuation of studies with a doctorate is also an option available to students who have completed the master.

## UNIVERSITY TAXES

500 CHF / semester

## REGISTRATION

**Deadline: 28 February 2023**

[www.unige.ch/enrolment](http://www.unige.ch/enrolment)

## CONTACTS FOR STUDIES

### GENEVA SCHOOL OF ECONOMICS AND MANAGEMENT

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[www.unige.ch/gsem](http://www.unige.ch/gsem)