



#### 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

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.

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

## STUDY PROGRAMME

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

### Required courses

33 credits

- Generalised Linear and Additive Models
- Mixed Linear Models
- Multivariate Analysis
- Sampling Techniques
- Analytics Consulting
- The Statistical Analysis of Time Series

### Electives

27 credits

- Advanced statistical inference
- Advanced Topics in Survey Methods
- Discrete Time Asset Pricing
- Econometrics
- Experimental Design: Theory and Practice
- Financial Econometrics
- Introduction to Biostatistics
- Invited Lectures in Statistics
- Machine Learning
- Model Selection in High Dimensions
- Numerical Optimization and Simulation
- Data Driven Impact Evaluation
- Selected Topics in Statistics
- Stochastic Processes in Finance
- Teaching Statistics

+ 10 possible courses outside the faculty

### Master Thesis

30 credits

## 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 2020

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

## CONTACTS FOR STUDIES

### GENEVA SCHOOL OF ECONOMICS AND MANAGEMENT

Uni Mail  
40 bd du Pont-d'Arve  
1211 Genève

[gsem-statistics@unige.ch](mailto:gsem-statistics@unige.ch)

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

## 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 or two semesters. Students may go on exchange as early as their second 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)