

1st Semester

2nd Semester

3rd Semester

4th Semester

Core Courses – 72 ECTS

Linear Models for Dependent Data
Machine Learning
The Statistical Analysis of
Time Series
Master Thesis

Analytics Consulting
Applied Bayesian Statistics
Modern Flexible Regression
Multivariate Analysis
Master Thesis

Courses of the 1st semester
may be followed during the
3rd semester - if the completion
of a complementary program
is necessary

Elective Courses – 18 ECTS

Choice from a list of courses, may also be followed in other GSEM Master programs and/or in other UNIGE Departments - subject to approval by the Scientific Committee.

Theoretical Statistics
Models and Empirical Methods for
Asset Pricing
Financial Econometrics
Fundamental and Advanced
Sampling Techniques
Optimization with Applications I
Research Seminar in Statistics
Stochastic Processes in Finance
Institutional Project

Advanced Topics in Machine
Learning
Concepts et langages orientés
objets
Data-Driven Impact Evaluation
Data Mining
Experimental Design: Theory
and Practice
Optimization with Applications II
Research Seminar in Statistics
Advanced Econometrics
Crowdsourcing and AI
Introduction à la planification et
l'analyse des cas uniques
Modèles à équations structurales
Institutional Project
+ courses outside the Faculty

Courses of the 1st semester
may be followed during the
3rd semester - if the completion
of a complementary program
is necessary