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How can we  
read tomorrow's  
markets  
correctly?

## Master of science in finance

### GENERAL OUTLINE

#### Objectives

Taught jointly with the Universities of Geneva and Neuchâtel, the Master of Science in Finance aims to give students excellent quantitative knowledge enabling them to understand the complicated working of financial institutions.

In addition to providing strong theoretical bases, the aim of this training is to teach the participants to apply the know-how implicit in their qualifications.

#### Career prospects

High-level financial careers

### GENERAL INFORMATION

#### Organiser

HEC Lausanne:  
[www.hec.unil.ch](http://www.hec.unil.ch)  
Department of Finance and Insurance  
University of Geneva:  
[www.hec.unige.ch](http://www.hec.unige.ch)  
University of Neuchâtel:  
[www.unine.ch](http://www.unine.ch)

#### Degree awarded

Maîtrise universitaire ès Sciences  
en finance  
Master of Science (MSc) in Finance

#### ECTS credits

120

#### Duration

4 semesters

#### Teaching language

English in Lausanne and Neuchâtel,  
French in Geneva

#### Enrolment

The candidate's application must be  
submitted to the Admissions  
Department on time.  
[www.unil.ch/immat](http://www.unil.ch/immat)

#### Contact

Graduate School  
Faculté des HEC  
Quartier UNIL-Dorigny  
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CH-1015 Lausanne  
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Fax +41 (0)21 692 34 95  
[hecmasters@unil.ch](mailto:hecmasters@unil.ch)

## EDUCATIONAL CONTENT

### Description

The Master of Science in Finance at our Universities is a two years programme, 120 ECTS, constructed around four semesters. During the first semester we consolidate the previous bachelor knowledge with the core courses in finance. The next two semesters are dedicated to a specialisation, either in wealth management (Geneva), in financial engineering (Lausanne), or in financial analysis preparing for the CFA (Neuchâtel).

The fourth semester is dedicated to the writing of a Master thesis, which may be done during an internship with a local or international financial institution.

### Examinations

Examinations are held at the end of each semester.

### Mobility

During their third semester, students may study in a university recognised by UNIL, under an exchange program. They may get a maximum of 30 credits in another institution.

The prior authorisation of the Master's Committee is required for the recognition of credits earned abroad.

## SYLLABUS

### 1<sup>st</sup> semester

Compulsory courses

- Applied Econometrics
- Asset Pricing
- Financial Accounting
- Derivatives I
- Principles of Finance, or Mathematics for Economics and Finance, depending on the student's curriculum

**30 ECTS credits**

### 2<sup>nd</sup> semester

Compulsory courses

- Derivatives II
- Empirical Methods in Finance
- Financial Risk Management
- Financial Engineering

**18 ECTS credits**

Electives

- Asset Allocation
- Theoretical Corporate Finance
- Alternative Investments
- Loss Models
- Risk Theory
- International Development Seminar
- Investments
- Several electives in UniGE and UniNE

**12 ECTS credits**

### 3<sup>rd</sup> semester

Compulsory courses

- Fixed Income & Credit Risk
- International Finance

**12 ECTS credits**

Electives

- Financial Contracting
- Real Options
- Ethics in Accounting & Finance
- Calibration Methods
- International Money and Finance
- Risk Management II
- Several electives in UniGE and UniNE

**18 ECTS credits**

### 4<sup>th</sup> semester

Master thesis

**30 ECTS credits**

## PRACTICAL INFORMATION

### Admission requirements

A Bachelor's degree from a Swiss university in Economics, Management, Finance or Information Systems.

Another degree or university qualification may be judged equivalent and give access to the Master's programme, with or without conditions.

### Regulations and additional information concerning the course

Programme web site:

[www.hec.unil.ch/mscf](http://www.hec.unil.ch/mscf)

Internet site of HEC Lausanne:

[www.hec.unil.ch](http://www.hec.unil.ch)

### Final enrolment date

30<sup>th</sup> April

Candidates needing a study visa must apply two months prior to this deadline. This time limit is applicable to enrolment at the UNIL only.

### Start of courses

mid-September

### Academic calendar

[www.unil.ch/central/page4804.html](http://www.unil.ch/central/page4804.html)

### General information on studies, career prospects and guidance

Office for educational counselling and careers guidance:

[www.unil.ch/soc](http://www.unil.ch/soc)

### Accommodation and financial assistance

Office for socio-cultural affairs:

[www.unil.ch/sasc](http://www.unil.ch/sasc)

### International students

International relations:

[www.unil.ch/ri](http://www.unil.ch/ri)

