



How can we
read tomorrow's
markets
correctly?

Master of science (MSc) in finance

GENERAL OUTLINE

Objectives

The Master of Science in Finance aims to give students excellent quantitative knowledge enabling them to understand the complicated working of financial institutions and to face the changing market environment.

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.

The MSc in Finance specialized in financial engineering offered by HEC Lausanne has been recognized by the CFA Institute as a CFA Program Partner.

Skills development and career prospects

University studies develop, in addition to specific academic skills, a great many transversal skills such as: oral and written communication, critical, analytical and summarising faculties, abilities in research, the learning and transmission of knowledge, independence and the ability to take decisions.

This panoply of skills, combined with specialist knowledge acquired in the course of studies, is excellent preparation for a wide range of employment opportunities and economic sectors. This Master prepares for high-level financial careers and for careers in companies requiring profound knowledge of corporate finance and risk management techniques.

GENERAL INFORMATION

Organiser

HEC Lausanne:
www.unil.ch/hec

Degree awarded

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

ECTS credits

120

Duration

4 semesters

Teaching language

English. For students required to take pre-
paratory courses, French is required.

Enrolment

The candidate's application must be submitted
to the Admissions Department on time.

Final enrolment date: 30th April.

Candidates needing a study visa:

28th February.

www.unil.ch/immat

Contact

Graduate School

HEC Lausanne

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Subject to changes
only the official texts are authentic
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EDUCATIONAL CONTENT

Description

The Master of Science (MSc) in Finance is a two year program, 120 ECTS, constructed around four semesters. During the first semester students consolidate the previous Bachelor knowledge with the core courses in finance. The second semester is dedicated to mostly theoretical foundational courses such as advanced derivatives, corporate finance, and econometric courses. The third semester touches practical aspects and provides many elective courses.

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

1st semester

Compulsory courses

- Advanced Econometrics
- Asset Pricing
- Financial Accounting
- Derivatives I
- Mathematics

30 ECTS credits

2nd semester

Compulsory courses

- Derivatives II
- Empirical Methods in Finance

15 ECTS credits

Electives

- Alternative Investments
- Corporate Finance
- Investments
- Loss Models
- Market Microstructure
- Risk Theory
- Additional electives

15 ECTS credits

3rd semester

Compulsory courses

- Financial Engineering

9 ECTS credits

Electives

- Advanced Corporate Finance
- Banking
- Ethics in Accounting & Finance
- Fixed Income & Credit Risk
- International Macroeconomics
- Macro Finance
- Risk Management
- Additional electives

21 ECTS credits

4th 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 program, with or without conditions.

English proficiency

Students whose native tongue is not English and who apply for a place on the MSc in Finance should provide evidence of proficiency in English as a foreign language at the level of C1, corresponding to the following minimum levels:

- TOEFL CBT 230 (IBT 88-89) or
- IELTS 6.5-7 or
- Certificate of Advanced English (CAE)

Regulations and additional information concerning the course

www.hec.unil.ch/masters

Final enrolment date

30th April

Candidates needing a study visa:
28th February

Start of courses

mid-September

Part-time Master's degree

See Directive 3.12:

www.unil.ch/interne/page44629.html#3

Academic calendar

www.unil.ch/central/page4804.html

General information on studies, career prospects and guidance

Guidance and Advisory Service:
www.unil.ch/soc

Accommodation and financial assistance

Office for socio-cultural affairs:
www.unil.ch/sasc

International students

www.unil.ch/international

Study abroad opportunities

www.unil.ch/echanges



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