



LISBON
SCHOOL OF
ECONOMICS &
MANAGEMENT
UNIVERSIDADE DE LISBOA

Masters *in* **Mathematical Finance**

*Open minds
for a better world*





Located in the center of Lisbon, ISEG has a long tradition and experience in research and teaching in **Mathematics**. The **MASTERS IN MATHEMATICAL FINANCE** aims to develop students' mathematical and computational skills, and also those in financial modelling.

7 reasons why Masters in Mathematical Finance @ISEG Lisbon

"The Mathematical Finance program offers a well-rounded curriculum relevant to both academia and industry. The intellectual challenge will reward you with valuable skills and expertise. If you are interested in the mathematical foundations of financial markets this program is for you!"



ZACHARY POLASKI
Quantitative Developer

**Milliman Financial Risk
Management LLC**

01

The establishment of an international agreement with two other Masters in the area of Mathematical Finance: one at the University of Lorraine, Nancy (France) and one at Uniwersytet Ekonomiczny w Poznaniu (Poland). This allows students to study part of their degree at these universities, obtaining a double degree;

05

Students have often been recruited by prominent companies whilst still preparing their Masters Final Works;

02

Provides a thorough training in modern mathematical and computational finance;

04

High quality of the academic staff of this Masters, all of whom hold PhDs from prestigious universities;

06

This Masters also prepares students for further doctoral studies and for carrying out innovation and scientific research in at universities or at departments of companies;

03

Students are put in contact with the most important technical and quantitative topics of finance, both theoretical and applied;

07

A partnership of the Masters in Mathematical Finance with the Advanced Risk and Portfolio Management Bootcamp - ARPM, at the University of New York, allows students who participate in the bootcamp to obtain not only an ARPM certificate but also a mention in the supplement to their Masters Diploma.

study plan

1

year 1 • semester 1

Mathematical Methods in Finance

Financial Markets and Instruments

Programming Techniques

Probability Theory and Stochastic Processes

2

year 1 • semester 2

Stochastic Calculus

Financial Econometrics

Foundations of Finance Theory

Numerical Methods in Finance

3

year 2 • semester 1

Stochastic Finance in Continuous Time

Interest Rate and Credit Risk Models

Optimisation and Control Theory in Finance

Lévy Processes and Applications in Finance

MSc Final Work 1
(Thesis/Internship/Project)

4

year 2 • semester 2

MSc Final Work 2
(Thesis/Internship/Project)

Double Degree with:



Bootcamp:



Advanced Risk and
Portfolio Management®

key facts

START DATE:

September

SCHEDULE:

Daytime

DURATION:

2 Semesters of Classes

1 Semester for the Masters Final Work

LANGUAGE:

English

TUITION FEES:

From within the EU: €5750

From outside the EU: €6750

PROGRAM DIRECTORS:

Maria do Rosário Grossinho

Jorge Barros Luís

Onofre Alves Simões

RANKING:



Ranked nº 67 in the World – Top 100
Best Masters Global Ranking in
Financial Markets



10 reasons why ISEG Lisbon

02

ISEG is a School of the University of Lisbon, a leading university as recognized by the selective Shanghai ranking (ARWU).

05

ISEG's high quality research centers are engaged in a diverse array of international research projects.

08

ISEG Masters' students and faculty win awards and recognition for best case studies, best dissertation and research output, and applied projects.

03

As part of the University of Lisbon, ISEG belongs to UNITE! – University Network for Innovation, Technology and Engineering – a network that aims to foster cooperation between higher education institutions in Europe.

06

ISEG has a large, diversified, global network of talented alumni.

09

ISEG is committed to the United Nation's Sustainable Development Goals (SDGs) for 2030.

01

ISEG is accredited by AACSB, a distinction earned by only 5% of business schools in the world.

04

ISEG is located in downtown Lisbon, a vibrant, multi-cultural, cosmopolitan, and sunny European city.

07

ISEG students are highly desirable to top employers in government, private industry, and higher education around the world.

10

ISEG students benefit from a collegiate and open-minded atmosphere with many opportunities to interact with their peers and with professors.

INTERNATIONAL ACCREDITATIONS AND PARTNERSHIPS:



MEMBER:



Apply now:

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