



LISBON
SCHOOL OF
ECONOMICS &
MANAGEMENT
UNIVERSIDADE DE LISBOA

new

Masters *in* **Data Analytics** *for* **Business**

*Open minds
for a better world*



Located in the center of Lisbon, **ISEG** has a long tradition and experience in research and teaching in **INFORMATION SYSTEMS, MATHEMATICS, AND DATA ANALYSIS**. The **MASTERS IN DATA ANALYTICS FOR BUSINESS** prepares its graduates for the new challenges associated with the reality of big data, business analytics, coding, data science, and machine learning.

*“My experience throughout the **Masters at ISEG Lisbon** was only positive on both a personal as well as an educational level. The quality of the professors and lectures compares well to international top level and I would make **ISEG** the first choice for my Master’s again without a doubt!”*



BENEDIKT GRUNDHEBER

Senior Associate
– Valuation Analyst

KPMG, Frankfurt, Germany

8 reasons why Masters in Data Analytics for Business @ISEG Lisbon

01

ISEG is the Portuguese School with the most solid and successful experience in teaching applied mathematics and quantitative skills – our bachelors in Applied Mathematics (MAEG) is choice #1 in the country in the fields of Mathematics, Economics and Management (minimum GPA 18.4/20 in 2019).

05

Experienced faculty in preparing YOU for Business Translation of data analysis.

02

Highly qualified faculty with PhDs from world-class universities (e.g., Cranfield, Delaware, Duke, Wisconsin) will teach YOU.

06

Prepares YOU for the reality of data science applied to the business world.

03

Covers the most sought-after topics that organizations view as current challenges, such as big data, coding, business analytics and intelligence, forecasting, machine learning, and optimization.

07

Uses a mix of instructional methods, with real life cases and data, preparing YOU to think and act.

04

A one-year full-time program (plus one semester for the master’s project, dissertation, or internship) preparing YOU to stand out in a competitive marketplace.

08

Provides YOU with the mind-set for an international career.

study plan

1

year 1 • semester 1

Business Intelligence and Decision Support

(4 ECTS)

Data Platforms for Analytics

(6 ECTS)

Decision Making and Optimization

(6 ECTS)

Enterprise Analytics

(4 ECTS)

Programming Foundations

(4 ECTS)

Statistical Methods and Visualization

(6 ECTS)

2

year 1 • semester 2

Advanced Statistical Methods

(4 ECTS)

Big Data Tools and Analytics

(4 ECTS)

Forecasting Methods

(6 ECTS)

Machine Learning and Data Mining

(6 ECTS)

Programming for Data Science

(6 ECTS)

Research & Development Seminars

(4 ECTS)

3

year 2 • semester 1

Master's Final Work - MFW

(30 ECTS)

Dissertation

Project

Internship

key facts

START DATE:

September

SCHEDULE:

Daytime Classes in Year 1

DURATION:

2 Semesters of Classes

1 Semester for the Masters Final Work

LANGUAGE:

English

TUITION FEES:

From within the EU: €6850

From outside the EU: €8150

PROGRAM DIRECTORS:

Mário Caldeira

Rui Paulo



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.

RANKINGS:



MEMBER:



ACCREDITATIONS AND PARTNERSHIPS:



Apply now:

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