

Study Plan

EMOS | European Master in Official Statistics

EMOS certification, granted by the European Statistical System, can be obtained by the students who choose to continue their studies for the Master's Degree Program in Statistics and Information Management, with a specialization in Data Analytics and that take the following study plan:

1. Mandatory Course Units (51,5 ECTS)

Mandatory Course Units	Offered/ Approved in*	ECTS	Semester (S)/ Trimester (T)
Forecasting Methods	Postgraduate or Master's	3,5	Trimester
Monetary and Financial Statistics	Postgraduate	6	Semester
Multivariate Analytics	Postgraduate or Master's	7.5	Semester
Time Series Analysis	Postgraduate or Master's	4	Trimester
Data Management for Official Statistics	Postgraduate	3	Trimester
Sampling Methods	Postgraduate or Master's	7,5	Semester
Regression Analysis	Postgraduate or Master's	7,5	Semester
Statistics for Data Analytics	Postgraduate or Master's	7.5	Semester
Research Methodologies	Master's	5	Annual

* PG: Post-Graduation in Statistical Systems

Master: Master in Statistics and Information Management, specialization in Data Analysis



2. Elective Course Units (13,5 ECTS)

Choose three to four elective course units, totalizing a **minimum of 16,5 ECTS**.

Elective Course Units	Offered/ Approved in*	ECTS	Semester (S)/ Trimester (T)
Computational Statistics I	Postgraduate	6	Semester
Business Intelligence	Postgraduate	7,5	Semester
Statistical Communication	Postgraduate	3	Trimester
Data Mining I	Postgraduate or Master's	7,5	Semester
Database Management Systems	Postgraduate or Master's	7,5	Semester
External Statistics and Globalization	Postgraduate	6	Semester
Data Mining II	Postgraduate or Master's	7,5	Semester
Data Collection, Administrative Sources and Big Data	Postgraduate	6	Semester
National Accounts	Postgraduate	6	Semester
Financial Reporting	Postgraduate	6	Semester
Computational Statistics II	Postgraduate	6	Semester
Analysis of Discrete Data	Postgraduate or Master's	4	Trimester
Analysis of Variance	Postgraduate or Master's	4	Trimester

3. Master Thesis and Internship / Project (30 ECTS)

- Internship or project developed with the support of the Portuguese National Statistical Institute (INE), the Portuguese Central Bank (Banco de Portugal) or any other Central Bank;
- Master Thesis with a strong link to topics of Statistics of Central Banks.

Mandatory	ECTS	Semester/Trimester
Dissertation/ Work Project	30	Annual

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