



Universidad
Europea



Postgraduates

Private Master's
Degree in Big Data
Analytics

Go Beyond

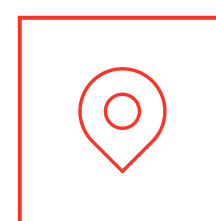
Private Master's Degree in Big Data Analytics

This Master's degree qualifies you to be one of today's most sought-after professionals: data architect, data engineer or data scientist. You will train with data professionals who are leaders in the banking, health, telecommunications and consulting sectors.

The Master's Degree in Big Data Analytics is designed for engineers, statisticians and mathematicians, or data analysts, with a vocation in the field of ICT, who seek to obtain a solid knowledge in storage techniques and distributed information processing, as well as big data analytics and visualisation

You will learn to apply cutting-edge technologies in Data Science and Machine Learning, becoming an expert in managing large volumes of data and infrastructures, machine learning and the analysis of business management processes.

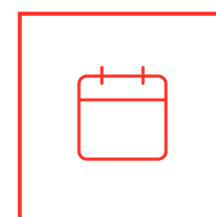
You will have access to the AWS Academy to prepare for the AWS Certified Cloud Practitioner during the module on cloud architectures and the AWS Certified Machine Learning Specialty during the module on data processing and machine learning



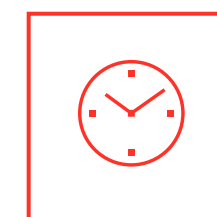
LOCATION
Alcobendas,
Madrid



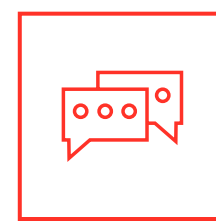
MODALITY
Campus-based



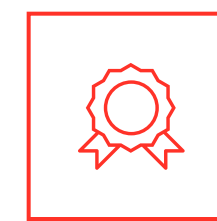
START
October



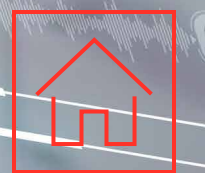
DURATION
10 months



LANGUAGE
English



ECTS credits
60



What makes us different?

Private Master's Degree in Big Data Analytics

Innovative Curriculum

It includes the entire data lifecycle, from the design and implementation of the architectures that will support distributed data storage and processing.

Compatible with professional activity

Weekend schedule that allows you to combine your work activity with class attendance.

Prestigious professors

Learn with the help of relevant experts from different sectors and companies such as BBVA, NAPPTIVE, Microsoft, Enagás, Instituto de Ingeniería del Conocimiento, who will share with you their experience and professional vision of data preprocessing, modelling and visualisation

Experiential learning

You will learn through real cases from first-level multinationals. Thanks to simulations and role plays, you will be qualified to become a global Big Data professional.

You will access to state-of-the-art facilities, consisting of two clusters for processing large volumes of data: A main one with more than 25 homogeneous processing nodes and 2TB of ram memory, and a secondary one formed by 4 server machines with high processing and memory capacities (multicore, +64GB per node). Both have Apache Hadoop, HDFS, Apache Spark, and Hive or Impala noSQL database access languages/tools.

Exclusive content

You will have access to exclusive masterclasses given by professionals from top companies in Spain, such as Santander and Telefónica.



Curriculum

Private Master's Degree in Big Data Analytics

Módulo I Cloud Computing Architectures <hr/> 3 ECTS credits	Módulo VI Business Analytics <hr/> 3 ECTS credits	Módulo XI Research Methodology and Design (elective) <hr/> 3 ECTS credits
Módulo II Advanced Applied Statistics <hr/> 3 ECTS credits	Módulo VII Data Processing <hr/> 6 ECTS credits	Módulo XII Information Processing (elective) <hr/> 3 ECTS credits
Módulo III Distributed Systems Computing <hr/> 6 ECTS credits	Módulo VIII Automatic Learning <hr/> 6 ECTS credits	Módulo XIII Resources Associated with Research Activity (elective) <hr/> 3 ECTS credits
Módulo IV New Generation Databases <hr/> 6 ECTS credits	Módulo IX Automatic Learning <hr/> 6 ECTS credits	Módulo XIV Practicum (elective) <hr/> 3 ECTS credits
Módulo V Data Governance and Data Life Cycle <hr/> 3 ECTS credits	Módulo X Final Master's Project <hr/> 6 ECTS credits	Módulo XV Internship I (elective) <hr/> 9 ECTS credits
		Module XVI Internship II (elective) <hr/> 3 ECTS credits



Partner companies

Private Master's Degree in Big Data Analytics

Students of the Master's in Big Data Analytics will benefit from the collaboration agreements between Universidad Europea and prestigious companies with which students will be able to develop their final Master's project on real projects proposed by the same companies, and receive help and advice from specialists in the sector.

Cajamar Data Lab

Master's students present their work in the largest university data analysis competition in Spain.

Vicomtech

Applied research centre specialised in Advanced Interaction, Computer Vision, Data Analytics, Computer Graphics and Language Technologies.

Telefónica

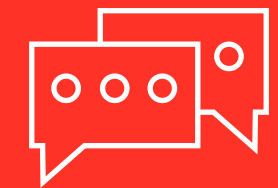
Universidad Europea has an agreement whereby students will be able to work with Telefónica data and participate in the Open Future challenges with their final master's projects.

Luís Simões

International logistics operator where students can do their internships or develop their Final Master's Project.

Everis

Multinational consulting firm working on projects in various sectors, including the development of Big Data solutions.





**Universidad
Europea**

**How far can
you go?**

However far you want

Go Beyond

