MCD
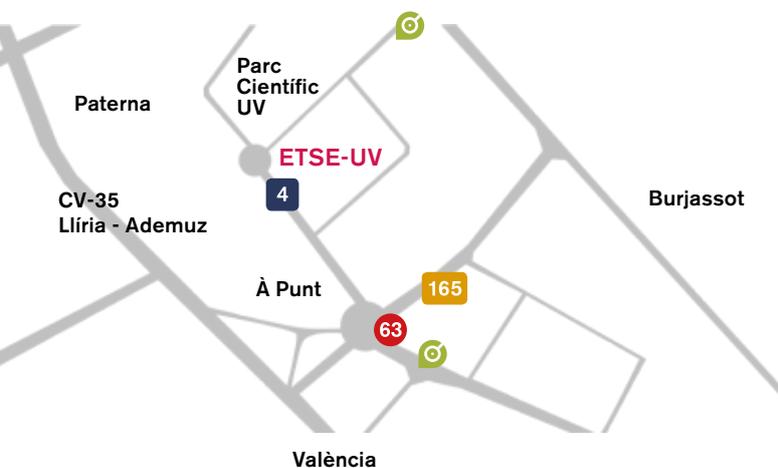
Who is it addressed to?

The profile of targeted students is very wide:
— Graduates in Computer Science, Engineering, Maths, Physics or Statistics
— Graduates in Economics or Business Management with a solid foundation in Economics and an interest in quantitative methodologies
— Programming professionals wishing to acquire analytic and quantitative skills to enhance their work experience
— Doctoral students interested in learning rigorous analytic and quantitative methodologies

What will you learn in the MCD?

The Master's Degree in Data Science aims to provide students with a large and complete set of skills along three key dimensions: computing, statistics and applications in business and health.

Students will learn classical and advanced methodologies (Machine Learning/IA) of data analysis. They will learn how to analyse all sorts of data (numbers, texts, images and video) in all sorts of applications.

Parc Científic UV

Paterna

CV-35
Llíria - Ademuz

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4

Burjassot

À Punt

165

63

València

Metrovalencia. Line 4 (TVV stop)
EMT. Line 63 (Xàtiva — Noves Facultats)
Metrobus. Line 165 (Quart de Poblet — Manises — Paterna — Burjassot)
Valenbisi 🚲 Mibisi ◎ Bike lane (València — Burjassot)

Universitat de València
Escola Tècnica Superior d'Enginyeria
Campus de Burjassot - Paterna

Avda. de la Universidad s/n
46100 Burjassot, València

Tel. 963 543 211 (Secretary)
Fax. 963 543 207
Mail — mcd@uv.es
Web — www.uv.es/mcd

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@etseuv

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www.uv.es/etse

Master's Degree in Data Science

Nowadays there is an explosion in the amount of data to be analysed and there is a lack of specialists in data-based product development. These products provide operative advantages that both private and public companies want to take advantage of. This Master's Degree addresses this demand for specialists in advanced data analysis.

Accept the challenge.

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Academic Programme

The academic programme consists of 90 ECTS credits distributed over three semesters (30 credits each semester). During the last semester students will have more autonomy and individual work to make the transition from the university to the work environment easier.

Introduction to Data Science **6 ECTS**
Statistics and Optimization **6 ECTS**
Management and Manipulation of Information **3 ECTS**
Signals Processing **4,5 ECTS**
Exploratory Data Analysis **4,5 ECTS**
Machine Learning I **6 ECTS**
Web Analytics **3 ECTS**
Machine Learning II **6 ECTS**
Advanced Data Visualization **3 ECTS**
Deep Learning **6 ECTS**
Business Applications **6 ECTS**
Biomedicine Applications **6 ECTS**
Seminars **5 ECTS**
Work placements **10 ECTS**
Final Master's Degree Project **15 ECTS**

Master's Degree in Data Science

One and a half years (90 ECTS)
September — July (First course)
September — December (Second course)
25 available places

MCD

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Studying the MCD at ETSE-UV

— **Highly practical training**
— **Maximum of 25 students**
— **Seminars taught by professionals**
— **Experienced staff in teaching and transference**
— **Educational and extracurricular internships in companies**

Career opportunities

— **Data Scientist**
— **Data Manager**
— **Data Engineer**
— **Data Analyst**
— **Business Analyst**
— **Consulting**

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