Bachelor's Degree in Data Science

Introduction to the degree

The analysis of various data sets has become a relevant field within the technological and scientific fields. The generation of large volumes of data by today’s society and its storage thanks to the decrease in price of information systems, provides new business opportunities while demanding new professional profiles.

Nowadays, strategic decision making is based on the knowledge extracted from the data, both in business environments and in public administrations. Those professionals trained in Data Science will be able to design data collection in any environment (industrial, sociological, economic, political, business, etc.), they will be able to process, analyse and combine data from different sources, as well as extract knowledge and communicate effectively how to manage such knowledge to facilitate strategic decision making.

International mobility

Data Science students will have a flexibility similar to that of Informatics Engineering when choosing international destinations in which to study for a semester, carry out their final degree project or internships in companies. The School of Informatics has agreements with some of the best European universities and also with universities in the United States, China, Japan and Australia.

Internships

Data Science students complete their training through internships so that they can join the professional world with some technical and human experience. Some of the companies or institutions which accept UPV students for work placement opportunities are: Indra, Bull, British Telecom, Edicom, Iberdrola or the Generalitat Valenciana (València’s Government), in all cases the students receive financial compensation.

Continuation of studies

With this degree, you will be able to access to:

- MD in Information Management
- MD in Software Engineering, Formal Methods and Informations Systems
- MD in Artificial Intelligence, Pattern Recognition and Digital Imaging
- others MD + levelling subjects

Study at the UPV and be part of Spain’s best technological university according to the Shanghai ranking

Enjoy our huge campuses with spaces designed for you such as the Student Recreation House.

You can do up to 70 sports in our facilities.

You will find many services at your disposal: language classes, discounts in public transport, counselling, employability support…
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Credits for obtaining the degree

<table>
<thead>
<tr>
<th>Basic courses</th>
<th>Compulsory</th>
<th>Elective</th>
<th>Internship</th>
<th>TFG</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>60.00</td>
<td>141.00</td>
<td>27.00</td>
<td>0.00</td>
<td>12.00</td>
<td>240.00</td>
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The subjects that you will be able to take

Basic courses
- Discrete Mathematics
- Exploratory Data Analysis
- Fundamentals of Business Management
- Fundamentals of Computers and Operating Systems
- Fundamentos de Programación
- Linear Algebra
- Mathematical Analysis
- Programming
- Statistical Models for Decision Making I
- Statistical Models for Decision Making II

Compulsory courses
- Data Acquisition and Transmission
- Data Management
- Data Science Security
- Data Structures
- Databases
- Descriptive and Predictive Models I
- Discrete Modeling and Information Theory
- Economic and Social Behavior
- Proyecto I, Comprensión de Datos
- Proyecto II, Integración y Preparación de Datos

Elective courses
- Academic and Professional German A1 - A2 - B1 - B2
- Academic and Professional Italian A1
- Scientific and Technical French - B1
- Valencià Tècnic C1 - C2