Bachelor’s Degree in Industrial Design Engineering and Product Development

School of Design Engineering
Building 7B
Campus of Vera (València)

4 courses
240 credits
Spanish and valencian

Credit 19.27€ (2020/2021)
It will make you eligible for scholarships

140 places
Cut-off marks

2018
10.77
10.752
11.108

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Introduction to the degree

The aim of these studies is to provide future professionals with scientific and technical training enabling them to be in charge of and manage the entire life of a product, from its inception as an idea (market analysis, marketing, basic design,...), through the product’s production, manufacturing and launch, to the study of environmental impact at the end of its useful life.

The curriculum includes a series of optional subjects, which are grouped into two itineraries:

· One is taught at the Polytechnic School of Alcoi, and offers the following elective subjects: Production and Innovation, Quality and Management, Product Design, and Textiles and Fashion.

· And the other one is taught at the School of Design Engineering, and comprises the following elective subjects: Integral Consumer Products Design, Advanced Design of Industrial Products, Public Use Products, and New Products Design.

International mobility

The most popular destinations are the Politecnico di Milano, Italy, and the Ingeniørhøjskolen Odense Teknikum, Denmark - vacancies there are quickly filled.

In addition, more than 100 vacancies are offered at other universities in Europe, America, Asia and Oceania that are no less interesting, because of the language that you can learn there and of the university’s prestige as well.

Internships

The Bachelor’s Degree in Industrial Design and Product Development recognizes up to 18 credits for work experience in any of the 500 companies (from all fields of industrial design) with which the EPSA and the ETSID have signed agreements.

The vast majority of those internships are paid, which improves their quality.

Continuation of studies

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

· MD in Design Engineering
· MD in Project Management
· MD in Integrated Computer-Aided Design and Manufacturing
· MD in Mechanical Engineering
· MD in Textile Engineering

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

Professional opportunities

You will be able to work in companies belonging to all industrial sectors (furniture, lamps, ceramics, plastic and metal processing, etc.) in the technical, design, research, project and new products development departments.

You will also be able to practise your profession freely, creating consultancy companies or producing companies. Or you can choose a public administration career (as a European Union, national, regional or local administration civil servant or employee), or a career in research, development and innovation (at public or private education centres, or in R&D departments of large companies) or in teaching.

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

You can do up to 40 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>120.00</td>
<td>48.00</td>
<td>0.00</td>
<td>12.00</td>
<td>240.00</td>
</tr>
</tbody>
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The subjects that you will be able to take

**Basic courses**
- Artistic Drawing
- Business Administration
- Computer Science
- Mathematics I - II
- Physics
- Technical Drawing I - II

**Compulsory courses**
- Aesthetics and History of Design
- Basic Design and Creativity
- Conceptual Design
- Containers and Packaging
- Design Workshop I - II - III
- Electrical and Electronic Technology
- Ergonomics
- Graphic Design and Communication
- Industrial Processes
- Marketing and Legal Aspects
- Materials
- Mechanics and Theory of Mechanisms
- Project Development and Execution
- Strength of Materials
- Workshop on Prototypes and Models

**Elective courses**
- Academic and Professional German A1 - A2 - B1 - B2
- Academic and Professional Italian A1 - A2
- Academic Writing Skills for Final Degree Projects
- Advanced Conceptual Design for Industrial Product Development
- Advanced Detailed Design for Industrial Product Development
- Advanced Development of Products for Leisure and Habitat
- Advanced Physics
- Business Start-Up and Management
- B2 Level English
- Ceramic Processes
- Chemistry
- Colour and Design
- Computer Software for Design and Manufacturing I - II
- Computer-Aided Design of Mechanical Systems
- Computer-Aided Manufacturing
- Design for Leisure and Habitat
- Design of Exhibition Systems
- Design of Products for Collective Use
- Design of Street Furniture
- Design Quality I
- Detailed Design of Street Furniture
- Digital Fabrication Modeling
- European Project Semester (EPS)

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- Exchange I - II - III - IV - V - VI
- Film Music
- Graphic Analysis and Presentation of Industrial Products
- Graphic Communication and Corporate Identity I - II
- New Products Communication for Leisure and Habitat
- Photography
- Prevention and Safety in the Design and Marketing Industry
- Prevention Methodology in the Design and Marketing Industry
- Prevention Methodology in the Mechanical Sector
- Science and Colour Vision
- Scientific and Technical French - B1
- Strategic Design
- Sustainable Development and Environmental Ethics
- Technical English
- Technical Valencian C1 - C2
- University Cooperation for Development
- Virtual Product Design and Evaluation
- Virtual Prototyping and 3D Modelling
- Web Development

Internationally accredited bachelor’s degree (EUR-ACE – ABET)