Bachelor's Degree in Industrial Organization Engineering

**Engineering and Architecture**
**Industrial and Aeronautical**

**School of Industrial Engineering**
Building 5F
Campus of Vera (València)

- 4 courses
- 240 credits
- Spanish and valencian
- Credit 20.27 € (2018/2019)
- 80 places
- Cut-off marks:
  - 2019: 10.03
  - 2018: 9.76
  - 2017: 10.76

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www.upv.es/titulaciones/GIOI/

**Introduction to the degree**

The aim of this degree is to provide students with a solid grounding in science and technology to enable them to direct, advise, operate and improve organizations, production systems, processes, services and information systems to promote a competitive advantage for the organization, taking into account technological and human aspects and the economic viability of the proposals they design.

**Internships**

You will have the opportunity to gain work experience in one of the many private and public companies, public bodies, technological institutes, consultancies and engineering firms where signed agreements are in place with the Faculty.

In many cases, in addition to completing your training, you will also be able to work on your final degree project.

**International mobility**

You can spend a semester abroad at one of the universities in more than 30 different countries in Europe and around the world with which the Faculty has signed exchange agreements (University of Manchester, Ecole Centrale Paris, INSA Lyon, Politecnico di Milano, etc). Studying at another university will help you complete your studies, as well as providing a very positive personal experience, enabling you to find out about other cultures and become fluent in other languages. You can also spend one semester at a different university in Spain.

**Continuation of studies**

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

- MD in Advanced Production Engineering, Logistics and Supply Chain
- MD in Companies, Products and Services
- MD in Companies, Products and Services
- others MD + levelling subjects

**Professional opportunities**

Your work will be linked to positions of responsibility for people and equipment in any of the departments within an organization. In the case of industrial firms, you are likely to be in charge of the operations, production, maintenance, quality control, logistics or R&D departments, or manage continuous improvement processes or projects.

In some cases, you will be responsible for marketing or occupational risk prevention. You may also work in firms dedicated to other economic activities such as services, especially consultancy and logistics providers. You may also choose to work in public administration or research and development, or teaching (at a secondary school or university).

**Study at the UPV**

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…

and be part of Spain’s best technological university according to the Shanghai ranking
# Bachelor's Degree in Industrial Organization Engineering

## Curriculum

### Credits for obtaining the degree

<table>
<thead>
<tr>
<th></th>
<th>Basic courses</th>
<th>Compulsory</th>
<th>Elective</th>
<th>Internship</th>
<th>T.F.G.</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Credits</strong></td>
<td>60.00</td>
<td>121.50</td>
<td>46.50</td>
<td>0.00</td>
<td>12.00</td>
<td>240.00</td>
</tr>
</tbody>
</table>

### The subjects that you will be able to take

#### Basic courses
- Chemistry
- Computer Science
- Industrial Business and Economy
- Mathematics I
- Mathematics II
- Physics I
- Physics II
- Statistics
- Technical Drawing

#### Compulsory courses
- Accounting and Financial Analysis for Industrial Organisation
- Analysis and Marketing of Technology-based Products and Services
- Automatic Control Systems
- Circuit Analysis
- Competitiveness and Innovation in Business
- Cost Analysis and Selection of Industrial Investments
- Elasticity and Strength of Materials
- Electronic Systems
- Environmental Technology
- Fluid Mechanics
- Fundamentals of Business Organization
- Heat Transfer
- Human Resources Management in Manufacturing
- Integrated Information Systems for Industrial Engineering
- Material Science
- Operation Scheduling
- Production and Logistic System Design
- Production and Manufacturing Systems
- Production and Stock Planning
- Projects
- Quantitative Methods for Industrial Organisation
- Statistical Quality Control
- Theory of Machines
- Thermodynamics
- Work Study

#### Elective courses
- Building and Management of High Performance Teams
- Business Process Management. Implementation, Development and Simulation
- Construction Technology
- Control and Automation Technology
- Distribution and Reverse Logistics
- Electrical Machines
- Electrical Technology
- Electronic Technology
- Energy Technology
- Engineering Graphics
- English B2-3 - B2-4
- English I
- German - A1 - A2 - B1 - B2
- Hydraulic Machines
- Industrial Informatics Technology
- Information Systems and Knowledge Management
- Integrated Information Systems in Industrial Enterprises
- Italian - A1
- Machine Design Technology
- Maintenance of Production Systems
- Materials Technology
- Occupational Risk Prevention and Security. Basic Legislation for Industrial Companies
- Scientific and Technical French - B1
- Strategic Management
- Structures
- Thermal Machines
- Total Quality Management
- Valencià Tècnic - C1 - C2
- Warehouse Design and Management

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Internationally accredited bachelor's degree (EUR-ACE)