Bachelor's Double Degree in Agricultural and Biological Engineering + Food Science and Technology

Science and Engineering and Architecture. AF

School of Agricultural Engineering and Environment
Building 3P-3H
Campus of Vera (València)

- 5 courses
- 343.5 credits
- Spanish
- See DOGV of August* It will make you eligible for scholarships
- 20 places
- Cut-off marks
- etsiamn@upv.es
- +34 963 877 130
- www.upv.es/titulaciones/GDAGROCTA/

Introduction to the degree

The Double Degree in Agricultural and Biological Engineering + Food Science and Technology aims to train professionals who integrate the skills of agricultural and biological engineering with those of food science and technology. In this way it intends to meet the demands of the agri-food sector, as its graduates will have a solid training in all the links of the agri-food chain, from the production of raw materials and the management of agricultural and livestock infrastructures to the development, conservation, processing, packaging, distribution and use of safe, nutritious and healthy food.

International mobility

The UPV School of Agricultural Engineering and Environment (ETSIAMN) has agreements with some of the best European and American universities. Thanks to these, more than 200 students spend a period abroad and around 300 come to València from other countries, which reflects the high degree of internationalisation of this double degree.

Internships

ETSIAMN also facilitates internships in companies and institutions, and sends around 650 students each year to 300 companies in different sectors.

Continuation of studies

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

- MD in Agricultural Engineering
- MD in Food Science and Engineering
- MD in Management and Food Safety
- MD in Enology
- others MD + levelling subjects

Professional opportunities

Professionals in this area must be able to address challenges along the entire value chain involved in food production and distribution. Therefore, the combination of both degrees generates a graduate profile of particular value to the agri-food sector; an engineer specialising in food science and technology. Such graduates will be very competitive in terms of their employability in the agri-food industry, a sector of great economic importance at present.

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…

Study at the UPV and be part of Spain’s best technological university according to the Shanghai ranking.
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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>84.00</td>
<td>223.50</td>
<td>12.00</td>
<td>0.00</td>
<td>24.00</td>
<td>343.50</td>
</tr>
</tbody>
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The subjects that you will be able to take

**Basic courses**
- Biology
- Biochemistry
- Economics and Management of the Food Business
- Human Physiology
- Physical Fundamentals of Engineering I - II
- Fundamentals of Food Engineering
- Mathematical Fundamentals I - II
- Chemical Fundamentals of Food Science and Technology
- Geology, Edaphology and Climatology
- Graphical Representation in Engineering

**Compulsory courses**
- Food and Culture
- Food Analysis and Quality Control I - II
- Chemical Analysis I - II
- Bases of Animal Production
- Food Biotechnology
- Systematic Botany
- Chemical Composition of Foodstuffs
- Herbaceous Crops
- Woody Crops
- Dietetics
- Ecology and Environmental Impact
- Electrotechnics and Electrification
- Containers and Packaging
- General Phytotechnics
- Agroforestry Geomatics
- Quality Management in the Food Industry
- Environmental Management in the Food Industry
- Hydraulics

**Elective courses**
- Quality Engineering in the Food Industry
- Irrigation Engineering
- Agricultural Machinery and Mechanisation
- Soil, Foundation and Road Mechanics
- Statistical Methods
- Microbiology and Food Hygiene I - II
- Food Standardisation and Legislation
- Human Nutrition
- Basic Operations in the Food Industry I - II
- Food Processing I - II
- Physical Properties of Foodstuffs I - II
- Crop Protection
- Resistance of Agro-industrial Materials and Structures
- Public Health
- Animal Production Technology
- Toxicology in Industrial Food Processes
- Chemical Transformations in Food Processing
- Valuation and Marketing

* Generalitat Valenciana Official Bulletin