Introduction to the degree

The personnel graduated in Rural and Agrifood Engineering manage the production and distribution of food. From a wide perspective they get to know, develop and apply science and technology for agricultural and livestock production, the organization and management of agricultural companies, planning and rural development and the implementation of agricultural infrastructure. All this in a respectful way with the environment, and in an economically profitable and socially acceptable manner.

Internships

The ETSIAMN (Higher Technical School of Agricultural and Environmental Engineering) has extensive experience in this field and has realized that internships are fundamental when looking for your first job. For this reason, the ETSIAMN provides students with internship periods in companies and institutions. About 650 students are sent every year to 300 companies in the different sectors related to this degree.

International mobility

Mobility between countries is promoted by the ETSIAMN. Every year, about 200 students travel abroad, and about 300 come to the UPV from foreign countries. The ETSIAMN has signed agreements with some of the most prestigious universities in Europe and USA.

Continuation of studies

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

- MD in Agronomic Engineering
- MD in Hydraulic Engineering and Environment
- European MD in Plant Health in Sustainable Cropping Systems (Erasmus Mundus)
- MD in Plant Genetics and Breeding
- MD in Health and Vegetable Production
- MD in Agrifood and Environmental Economy
- MD in Animal Husbandry

Professional opportunities

This degree qualifies its graduates to work as agricultural engineers. Food production, processing, conservation and merchandising are activities that are beyond fads, being necessary for the survival of human beings.

Graduates in Agrifood Engineering have many different options open to them when working as professionals: you will be able to work in technical engineering offices, agricultural or engineering companies, as a technical manager in horticulture, or as a manager of agricultural and livestock farms. Graduates can also work as freelancers or for government agencies, in public and private research centres, as well as teaching in high schools, job training centres or universities.

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 40 sports in our facilities. You will find many services at your disposal: language classes, discounts in public transport, counselling, employability support…
Bachelor's Degree in Agricultural and Biological Engineering

Credits for obtaining the degree

<table>
<thead>
<tr>
<th>Basic courses</th>
<th>Compulsory</th>
<th>Optional</th>
<th>Internship</th>
<th>TFG</th>
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<td>60.00</td>
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The subjects that you will be able to take

**Basic courses**
- Biology
- Business Administration
- Foundations of Mathematics I - II
- Foundations of Physics in Engineering I - II
- General Chemistry
- Geology, Soil Science and Climatology
- Graphic Representation in Engineering

**Compulsory courses**
- Agroforestry Geomatics
- Agricultural Machinery and Mechanization
- Animal Production Technology
- Biotechnological Foundations and Applications
- Chemistry - Extension Course
- Crop Protection
- Ecology and Environmental Impact
- Electrical Technology and Electrification
- Fundamentals of Engineering in the Agri-food Industry
- General Agronomy
- Herbaceous Crops
- Hydraulics
- Irrigation Engineering
- Principles of Animal Production
- Soil Mechanics, Foundations, and Rural Roads and Paths
- Statistical Methods

**Elective courses**
- Strength of Materials and Agro-Industrial Structures
- Systematic Botany
- Valuation and Marketing
- Woody Crops
- Academic and Professional German A1 - A2 - B1 - B2
- Animal Breeding and Genetics
- Animal Nutrition
- Biofuels
- Biological Control of Insects, Diseases and Weeds
- Biotechnology in Animal Production
- Citiculture
- Economia de los Recursos Naturales y Medio Ambiente
- Effect of Climate Change on the Mediterranean Ecosystems
- Engineering and Livestock Management
- English B2 for Agri-Food Engineering and the Rural Environment
- Food and Fodder Production
- Food Analysis
- Food Industrial Processes
- Fruit Tree Crops
- Gardening and Landscaping
- Geobotany and Natural Resources
- Horticulture: Vegetable Crops
- Irrigation and Fertilization Needs and Programming
- Nutrition and Dietetics
- Physical Properties of Food
- Plant Breeding
- Process Modelling and Control
- Production of Monogastrics
- Quality Management Systems in the Agri-Food Industry
- Recovery and Restoration of Degraded Soils
- Refrigeration Engineering
- Renewable Energies
- Ruminant Production
- Scientific and Technical French - B1
- Structure and Animal Function
- Supplementary Bachelor’s Thesis
- Sustainable Agriculture
- Technical Valencian C1 - C2
- Transport Phenomena in Food Industry I - II
- Treatment and Purification of Agrifood Wastewater
- Treatment, Management and Agricultural Uses of Organic Waste
- Vegetal Propagation
- Verification of Phytosanitary Application Equipment
- Viticulture
- Weed Control
- Welfare, Hygiene and Health in Animal Production
- Wines and Alcoholic Beverages

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