



Bachelor's degree in Agricultural Engineering

The **bachelor's degree in Agricultural Engineering** combines the UPC's expertise in technology with agricultural sciences and biology. It aims to produce professionals with a capacity for innovation and entrepreneurship who will contribute to making agriculture technologically advanced, economically sustainable and environmentally and animal welfare friendly. You will be given multidisciplinary training in areas such as health, nutrition and animal welfare; livestock production systems; extensive and fruit and vegetable farming; irrigation technology and agricultural machinery and buildings; crop protection; waste management; agroecology; and the production of organic food.

The training includes fieldwork and laboratory and computer practicals that allow students to master plant and animal production techniques, farm and livestock management, and quality control and safety mechanisms for food and other agricultural products, and to study the economic viability of farming companies and cooperatives.

GENERAL DETAILS

Duration

4 years

Study load

240 ECTS credits (including the bachelor's thesis). One credit is equivalent to a study load of 25-30 hours.

Delivery

Face-to-face

Language of instruction

Check the language of instruction for each subject (and timetable) in the course guide in the curriculum.

Information on [language use in the classroom and students' language rights](#).

Fees and grants

Approximate fees per academic year: €2,371 (€0 for non-EU residents). [Consult the public fees system based on income \(grants and payment options\)](#).

Location

[Barcelona School of Agri-Food and Biosystems Engineering \(EEABB\)](#)

Official degree

[Recorded in the Ministry of Education's degree register](#)

PROFESSIONAL OPPORTUNITIES

Professional opportunities

- Technical management of agricultural and livestock farms.
- Agricultural service companies: agricultural and livestock facilities, rural infrastructure, agricultural machinery, seeds, fertilisers, pesticides, irrigation systems, etc.
- Rural development and spatial planning and management in the public administration.
- International cooperation and development in the agriculture.
- Design and management of water resources for agriculture and agro-energy projects.
- Control of food quality and safety of food and other agricultural products.
- Environmental impact assessment and management of agricultural waste.
- Freelance work: projects, consultancy, advice, appraisals, site management, environmental studies, etc.
- Management of agricultural companies and cooperatives.

Academic calendar

[General academic calendar for bachelor's, master's and doctoral degrees courses](#)

Academic regulations

[Academic regulations for bachelor's degree courses at the UPC](#)

Language certification and credit recognition

Queries about [language courses and certification](#)

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