

Biotechnology

SCHOOL

School of Agricultural Engineering
(www.etsea.udl.cat)

BRANCH OF KNOWLEDGE

Sciences

DURATION

4 years (240 credits)

CREDITS

Basic training: 60
Compulsory: 114
Optional: 48
Practicum: 12
Final project: 6

EDUCATIONAL OBJECTIVES

To ensure that biotechnology graduates become experts in using live organisms or compounds taken from live organisms to obtain products that can serve humans by applying the modern techniques developed in the fields of biology and molecular genetics. In addition to the applications in the field of biomedicine, the course places emphasis on the role of biotechnology in plant and animal products, the environment and the food industry.

COMPETENCES ACQUIRED

Learn how to manage biotechnology businesses.

Be able to develop biotechnology applications and protocols to obtain products that can serve humans. Have the grounding to work in biotechnology businesses that research, develop or manufacture bioproducts.

Be able to devise innovative biotechnology projects by identifying applications, business ideas, work plans and by putting new techniques and equipment in place.

Become familiar with and know how to appraise the social and financial aspects of biotechnological applications.

Be able to convey information, ideas, problems and solutions to both experts and lay people.

CAREER OPPORTUNITIES

Legal, scientific and technical consultancy.

Development, manufacture and commercialisation of bioproducts.

Teaching.

Public and private research institutions and universities.

Public institutions and biotechnology businesses involved in plant and animal products, the environment, the food industry and biomedicine.

Biomedicine.

Biotechnology diagnostics laboratories.