UNIVERSITAT POLITÈCNICA DE VALÈNCIA

Bachelor's Degree in **Biotechnology**

Sciences

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

4 courses
240 credits

Spanish, valencian and english

Credit 19,27€
(2020/2021)
It will make you eligible for scholarships

100 places

Cut-off marks

etsiamn@upv.es
+34 963 877 130
www.upv.es/titulaciones/GB/

Introduction to the degree

The degree in Biotechnology aims to train students to be able to research, innovate, develop and improve processes, tools and biotechnological materials within the areas of health, food, agriculture, livestock and aquaculture, forestry, energy, the environment and industry.

International mobility

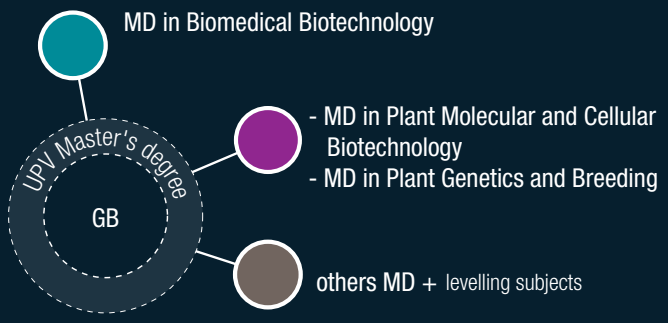
It is very common for Biotechnology students and professionals to work in an international context. Many prestigious universities in Europe and other countries offer studies in Biotechnology. Exchange programs such as Erasmus allow students to spend one semester or one year in another university. The ETSIAMN has signed agreements with a large number of institutions, which allows students to spend part of the degree with them.

Internship

There are more than 700 biotechnological companies in Spain, and more than 50 are located in the Valencian Community. Besides these, many other companies in the health, food, environmental and chemical sectors carry out biotechnological activities. Students can do internships in these companies as well as in hospitals and research centres.

Continuation of studies

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



Professional opportunities

The professional fields in which graduates in Biotechnology can work in their profession include the medical, pharmaceutical, agricultural, food, forestry, environmental and chemical industries as well as research in universities and public and private research centres, hospitals and companies. You can also decide to teach in universities, secondary schools or vocational training centres, though to do so, you will need to receive the additional required training.

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…

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Curriculum

Credits for obtaining the degree

Basic courses	Compulsory	Optional	Internship	TFG	Total
61.50	132.00	34.50	0.00	12.00	240.00

The subjects that you will be able to take

Basic courses

Animal and Human Physiology
Cell Biology
Fundamentals of Chemistry
Fundamentals of Physics for Biotechnology
General Genetics
General Microbiology
Mathematics
Statistics
Thermodynamics and Chemical Kinetics

Compulsory courses

Bioinformatics
Biomolecular Chemistry
Bioprocess Engineering I - II
Bioproducts and Bioprocesses
Bioreactors
Biotechnology Business Economics
Bulk Analysis of Biological Data
General and Applied Enzymology
Genetic Engineering
Genomics
Immunology
Industrial Microbiology
Instrumental Techniques
Legal and Sociological Aspects of Biotechnology
Metabolic Biochemistry
Microbial and Environmental Biotechnology
Molecular Biology
Molecular Genetics
Molecular Markers
Plant Physiology
Protein Structure and Engineering
Proteomics and Metabolomics
Virology

Elective courses

Academic and Professional French A1 - A2 - B1 - B2
Academic and Professional German A1- A2 - B1 - B2
Academic and Professional Italian A1
Agri-food Biotechnology
Biología del Desarrollo y Control de la Línea Germinal
Culture of Animal Cells and Tissues
Drug Development and Mechanisms of Action
English B2 for Biotechnology
Experimentation in Biotechnology
Forensics Biotechnology
Human Molecular Pathology
In Vitro Culture and Plant Genetic Transformation
Introduction to Biomedicine
Metabolic Engineering and Synthetic Biology
Molecular Biology of Cancer
Plant Biochemistry and Molecular Biology
Plant Breeding
Reproduction Biotechnology
Scientific and Technical French - B1
Tissue Engineering
Valencià Tècnic C1 - C2