UNIVERSIDAD DE GRANADA

Universidad de Granada

Undergraduate Degree in Biochemistry

Biochemistry is the study of the chemical processes that occur in living organisms, a fascinating and diverse discipline that aims to understand the complexity of life by discovering and understanding the molecular mechanisms and biochemical processes that occur within living cells.

Our degree is designed to prepare our students for professional work in areas related to biochemistry and molecular biology in general, and in the specialised areas of biomedicine and biotechnology. Our teaching staff are specialised in biology, pharmacy, physics, medicine and chemistry, offering a distinctive multidisciplinary perspective.

Our degree includes a variety of teaching methods – lectures, seminars, group work, projects, laboratory work, essays, computer work– all contributing to provide the student with the skills necessary to face the professional world. Our graduates usually go on to carry out doctoral studies, finding employment in research and development.

We offer a solid grounding in biochemistry and molecular biology. In order to achieve this, you will study subjects from different knowledge areas, such as chemistry, mathematics, biology, physics, biochemistry, statistics, organography, microbiology, macromolecules, enzymology, molecular physiology, metabolism regulation, genetics and immunology.

As a student on our degree you can then choose one of two possible career paths, which are molecular biomedicine and biotechnology.

Specialisation in molecular biomedicine includes these elective subjects:Bioinorganic Chemistry, Molecular Pharmacology, Genomics, Clinical, Immunology, Neurochemistry, Biochemical and molecular Parasitology, Clinical Parasitology, Gene and Cell Therapy, Molecular Toxicology, Virology.

Specialisation in biotechnology includes these elective subjects: Biocomputing, Molecular Biology in Nutrition, Animal Biotechnology, Plant Biotechnology, Protein Engineering, Genetic Engineering in Pharmaceutical Design, Advanced Bioanalytical Methods, Organic, Chemistry Applied to Biotechnology, Bioorganic Chemistry, Microscopy Techniques for Cell Analysis.

Most biochemists carry out research activities in universities and other research centres, although employment can also be found in different industrial sectors, such as biotechnology companies, pharmaceutics, agriculture and food, chemical production or medicine. In fact, many companies from diverse fields search for graduates with a solid grounding in sciences, mainly because they are highly skilled in analytical thinking, creativity, problem solving and are capable of managing complex information.

ECTS Credits	240
Duration	4 academic years (September/October to June each year approximately)
Start Date	Autumn
Language	Spanish
Tuition Fees	€757 (approximately)
Application Period	June – September (approximately)
Offered by	Vice-Rector’s Office for Undergraduate and Postgraduate Teaching
How to apply	Please visit the Applications and Admissions Section

DEGREE WEBSITE