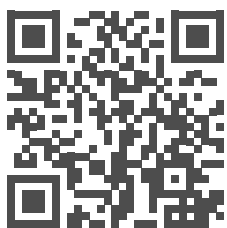




Universitat
de les Illes Balears

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DEGREE

SCIENCES BIOCHEMISTRY

What does it cover?

The main aim of the Degree in Biochemistry is to train future professionals and provide them with knowledge in all areas related to biochemistry and molecular biology in general, as well as bioanalysis and biomedicine more specifically. Graduates will possess the conceptual, manual and technical tools for understanding and applying this knowledge.

What skills will you acquire?

Students on the degree programme shall acquire skills enabling them to join the biomedicine and bioanalysis workforce. All the detailed skills are listed on the programme website.



Faculty of Sciences
Administrative Services:
Mateu Orfila i Rotger Building
Tel.: 971 17 34 87
grau.mo@uib.cat

What profile should you have?

- Perseverance, intuition, creativity, logic and critical thinking
- An ability for observation and abstraction
- An interest in discovering how living beings function, the cause of a disease and the industrial application of biochemical processes.

What career opportunities will you have?

Entre d'altres:

Research and teaching

- Higher research and teaching at universities, public and private science and technology centres, and R&D&i departments at companies in the pharmaceutical, biotechnology, analysis and equipment sectors, as well as other similar areas
- Teaching in secondary education.

Biochemistry and biomedicine

The application of molecular biosciences to studying health and diseases, including the molecular analysis of disease mechanisms, as well as screening, diagnosing, preventing and treating human illnesses:

- Biomedical and bioanalytical activities. Applying biochemistry and biotechnology to clinical medicine at hospitals, pharmaceutical and clinical analysis laboratories, health research centres and related industries
- Health biotechnology. Discovering and developing new products and services in the health biotech and biopharmaceutical industries, and other similar areas, as well as at health, biomedical and biotechnological research centres.

MORE INFORMATION

<http://estudis.uib.cat/grau/bioquimica>
<http://www.uib.cat/facultat/ciencies>

alumnes@uib.cat 971 10 10 70

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SCIENCES BIOCHEMISTRY

CURRICULUM

FIRST YEAR

Semester One

- Mathematics I*
- Chemistry I*
- Physics*
- Biology*
- Biochemistry*

Semester Two

- Mathematics II*
- Chemistry II*
- Cytology and Histology*
- General Biochemistry Laboratory*
- Biochemical Instrumentation Laboratory*

SECOND YEAR

Semester One

- Organic Chemistry for Life Sciences
- Molecular Biology and Metabolic Control
- Microbiology
- Genetics
- Animal Physiology

Semester Two

- Enzymology and Molecular Interactions
- Structure-Function of Macromolecules
- Plant Physiology
- Integrated Laboratory I
- Integrated Laboratory II

THIRD YEAR

Semester One

- Immunology
- Biosynthesis of Macromolecules and its Regulation
- Biochemistry of Membranes and Bioenergetics
- Molecular Genetics
- Elective 1

Semester Two

- Metabolic and Biochemical Integration of Tissues
- Biochemistry and Molecular Biology of Development
- Methods and Techniques of in Molecular Biology
- Molecular Biology of Systems
- Elective 2

FOURTH YEAR

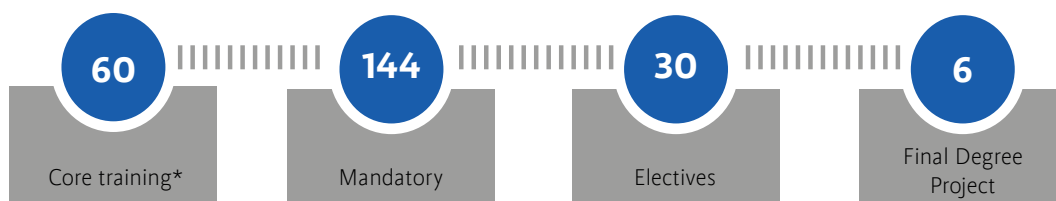
Semester One

- Human Physiology
- Microbiological Analyses
- Analytical and Clinical Biochemistry
- Food Biochemistry
- Elective 3

Semester Two

- Molecular Pathology
- Bioethics and Quality in Bioscience Laboratories
- Final Degree Project
- Elective 4
- Elective 5

ECTS Credits: 240



There are six optional external placement credits in elective subjects.

LAST UPDATED: DECEMBER 2018

LAST REVISED: JULY 2019

Did you know...

The UIB offers you several ways to accredit the English level you need to be awarded your degree?

MORE INFORMATION

<http://estudis.uib.cat/grau/bioquimica>

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