



Università di Camerino
Bioscienze e Medicina
Veterinaria

BIOSCIENCES AND BIOTECHNOLOGY

Università di Camerino

Bachelor Degree

First Cycle Degree

Duration 3 years

ECTS credits 180

Location Camerino

All courses are taught in English

*School of Bioscience
and Veterinary Medicine*

Director prof. Guido Favia

guido.favia@unicam.it

+39 0737 403230

Camerino - via Gentile III da Varano

Course Coordinator

prof.ssa Adriana Vallesi

tel 0737 403256

adriana.vallesi@unicam.it

web site

<http://biologybiotechnology.unicam.it>

Delegates

Educational Guidance

prof.ssa Gabriella Gabrielli

gabriella.gabrielli@unicam.it

0737 402705

Tutoring

prof.ssa Consuelo Amantini

consuelo.amantini@unicam.it

0737 403312

International Mobility

prof.ssa Cristina Marchini

cristina.marchini@unicam.it

0737 403275

Stage and Placement

prof. Claudio Alimenti

claudio.alimenti@unicam.it

0737 403221

The bachelor degree in Biosciences and Biotechnology is an interclass degree: it consists of a common first year, where the student is provided with a solid base in mathematics, physics, chemistry, and cell biology, followed by a second and third year when the student follows either the program leading to the Biology or Biotechnology degree. Upon enrollment in the interclass degree, students must indicate the qualification desired (Biology or Biotechnology); however, the final decision between the two program degrees can be delayed to the third year, provided that the missing credits have been fully covered.

The course benefits from a friendly and skillful teaching staff and reliable supporting structures, such as laboratories, libraries, in addition to dedicated tutorship services. The Bachelor in Biosciences and Biotechnology is in the geo-biological group which ranked first in Italy for the quality of education in the ranking of Italian Universities (CENSIS, Ranking 2016/17).

Career opportunities

The course in Biology is appropriate for students desiring a focused, in-depth grounding in all the essential elements of the biological sciences, and is particularly suitable for students intending to pursue graduate study in biological and applied sciences.

The course in Biotechnology focuses on the study of biological processes of living organisms. Students learn the skills needed to naturally manipulate processes in the development of new medicine, food and organic substances. This course provides students with a basic knowledge for the study of biotechnology with an emphasis on DNA technology, cell and molecular biology, and a wide range of practical skills, supplemented with relevant aspects of ethics law and business.

In both programs, the foundation of knowledge, plus laboratory experience, prepares students to function effectively in a variety of technical and laboratory research settings.

The graduates in Biosciences and Biotechnology are also qualified for access to Master courses in either biological and biotechnological fields, by which they could achieve higher professionalism and also access to doctoral courses in biology or related fields.



curriculum Biology (L-13)

I year	ECTS	II year	ECTS	III year	ECTS
General Biology and Histology	12	Molecular Biology, General		Hygiene and Clinical Microbiology	6
General and Inorganic Chemistry	8	Genetics	12	Fundamentals of Pathology	6
Mathematics and Statistics	12	Computer Sciences	6	Ecology and Parasitology	6
Organic Chemistry	7	Biochemistry	8	Molecular Genetics	6
Physics	7	Anatomy and Physiology	12	Clinical Biochemistry	6
English language - level B2	6	General Microbiology	6	Student's choice	12
Laboratory I	6	Zoology and Botany	14	Stage	5
		Cell and Developmental Biology	8	Final test	3
		Laboratory II	6		

curriculum Biotechnology (L-2)

I year	ECTS	II year	ECTS	III year	ECTS
General Biology and Histology	12	Molecular Biology, General		Molecular Genetics, Genetics	
General and Inorganic Chemistry	8	Genetics	12	of Microorganism and Microbial	
Mathematics and Statistics	12	Computer Sciences	6	Biotechnology	12
Physics	7	Biochemistry	8	General and Industrial	
Organic Chemistry	7	Fundamentals of Pathology	6	Microbiology	12
English language - level B2	6	Intellectual Property, Regulatory		Physiology	6
Laboratory I	6	and Bioethical Concerns	6	Clinical Biochemistry	6
		Cell Biology and Biotechnology	8	Molecular Applications	
		Food Chemistry and Processing	6	in Biomedicine	8
		Laboratory II	6	Student's choice	12
				Stage	5
				Final test	3

ENTRY REQUIREMENTS

High School Diploma
(with minimum 12 years education) Level of language competence required:
ENGLISH level B1 (Threshold level) of the CEFR

INFORMATION FOR ENROLLMENT, TUITION FEES, OTHER SERVICES

at www.unicam.it/international

Didactic Manager

Dr. Elena Cardellini
elena.cardellini@unicam.it
+39 0737 402132

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