

## Biosciences and Biotechnology

3

**Bachelor Degree** First Cycle Degree  
**Duration** 3 years - **ECTS credits** 180

**School of Biosciences  
and Veterinary Medicine**

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**Bachelor's Degree and Master's Degree  
Programmes** <https://www.unicam.it/didattica>

### Course Presentation

The degree course in Biosciences and Biotechnology is an interclass course that includes two distinct training paths, which strongly exploit the mutual interaction between biological disciplines and the most recent acquisitions in the biotechnology field. The result is a flexible and modern course, closer to the current training needs in the biological/biotechnology field and more responsive to the demands of the world of work. The course is divided into a first year with basic teachings, followed by a second year in which the study plan is diversified between the Biology curriculum (L13) and the Biotechnology curriculum (L2).

Both curricula conclude with an internship at a research laboratory, an institution or a company, as an opportunity for initial contact with the working reality. Lessons are held in person and practical activities are planned at the university's teaching laboratories. All teaching activities are delivered in English and a B2 level is expected to be achieved within the first year.

At the same time, the student can enroll in the School of Advanced Studies "Carlo Urbani", an institution of excellence, after a selection based exclusively on merit.

For further information: <https://scuolastudisuperiori.unicam.it>

### Admittance requirements and TOLC

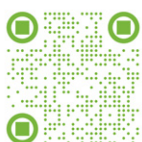
High school diploma or other qualification obtained abroad recognized as suitable under current legislation. A mandatory test is required for those enrolling at the University for the first time, but not selective. For further information, see the page <https://www.unicam.it/didattica/verifica-della-preparazione-iniziale>

### Professions

Graduates will be able to carry out work activities, with technical and professional roles: in public and private analysis agencies and laboratories; in Regional Agencies (ARPA) and National Agencies (APAT); in national institutions that operate in the territory (CNR, ENEA, etc.); in industries that operate with biological methodologies and biotechnologies in the environmental, health, pharmaceutical fields; in the field of research, training and dissemination of scientific culture.

### After graduation

The graduate in Biosciences and Biotechnology is adequately qualified for access to the Master's Degree courses in both the biological and biotechnological sectors. The Degree allows admission to the state exam for the qualification to the profession of Junior Biologist and Agricultural Biotechnologist.



## Study Plan

### Curriculum Biology L13

I year	CFU
General Biology and Histology	12
General and Inorganic Chemistry	8
Mathematics	8
Physics	7
Statistics and Computer Sciences	8
Organic Chemistry	7
English language - Level B2	6
Laboratory I	6

### Curriculum Biotechnology L2

I year	CFU
General Biology and Histology	12
General and Inorganic Chemistry	8
Mathematics	8
Physics	7
Statistics and Computer Sciences	8
Organic Chemistry	7
English language - Level B2	6
Laboratory I	6

II year	CFU
Molecular Biology, General Genetics	14
Biochemistry	8
Anatomy	6
General Microbiology	6
Zoology and Botany	14
Cell and Developmental Biology	8
Laboratory II	6

II year	CFU
Molecular Biology and General Genetics	14
Biochemistry	8
General and Industrial Microbiology	12
Intellectual Property, Regulatory and Bioethical Concerns	6
Cell Biology and Biotechnology	8
Food Chemistry and Processing	6
Laboratory II	6

III year	CFU
Hygiene and Clinical Microbiology	6
Physiology and Fundamentals of Pathology	12
Ecology and Parasitology	6
Molecular Genetics	6
Clinical Biochemistry	6
Student's choice	12
Stage	5
Final Test	3

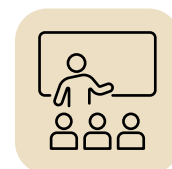
III year	CFU
Molecular Genetics, Genetics of Microorganism and Microbial Biotechnology	12
Physiology and Fundamentals of Pathology	12
Clinical Biochemistry	6
Molecular Applications in Biomedicine	8
Student's choice	12
Stage	5
Final Test	3



SCAN THE QR CODE AND FIND OUT  
WHAT OUR STUDENTS  
THINK ABOUT US



The course, certified ISO 9001,  
is in accordance  
with the CBUI-FNOB certification.  
The course is agreement with the Jilin  
Agricultural University JAU (China)



97.5% of students  
are satisfied for  
the relationship  
with teachers



High use  
of educational  
and research  
laboratories



Internships  
at Companies and  
Research Institute



96% of students  
enroll in a  
Master's degree

## Servizi Studenti

### Guidance

### Scholarships

### Welcome - Tutoring

### Counseling and psychological well-being

### Services for Students

### with Disabilities and DSA

### International mobility



a.y. 2025/2026

## Informazioni

### Guidance

via Gentile III da Varano 2 - 62032 Camerino - 0737 404606 - 403727 - orientamento@unicam.it

### Address Student Office

(registrations, study plans, university transfers, university contributions)

via Gentile III da Varano 26 - 62032 Camerino

**Ticketing:** <https://segreteriastudenti.unicam.it/>

### Contributions and registrations

Procedure available at <https://miiscrivo.unicam.it/>

### Portale studenti

Educational services, Classrooms, Lesson timetables

<https://www.unicam.it/studente>

fb Polo degli studenti Unicom

in [Serviziaglistudentiunicam/](https://serviziaglistudentiunicam/)

fb UNICAM - Università degli Studi di Camerino

<https://www.unicam.it/> numero verde 800 054000

## Polo degli Studenti



Tasse e contributi

Give consent to the acquisition  
of your **ISEE-U** to personalize  
your university fees