Università di Camerino

Borse di studio
Scholarships
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#talentinunicam
#studiopersport

Trasporto gratuito
Free public transport
urbano ed extraurbano
da/per le principali città delle Marche

Alloggi
Accommodation
Studentato diffuso
Residenze ERDIS

CUS
Sports facilities
Centro Universitario Sportivo

Disabilità e DSA
Disabilities and SLD

Consulenza e benessere psicologico
Counseling and psychological well-being

Area Servizi agli Studenti
(iscrizioni, rinnovi, piani di studio, passaggi di corso, trasferimenti, contributi universitari)
via Gentile III da Varano 26 - 62032 Camerino
Ticketing: https://segreteriastudenti.unicam.it/

Immatricolazioni
Seguire la procedura on line all'indirizzo
https://miiscrivo.unicam.it/

Portale studenti
Servizi didattici, Aule, Orari delle lezioni
https://www.unicam.it/studente

2026/2027

Tasse e contributi
Dai il consenso all'acquisizione del tuo **ISEE-U** per personalizzare le tue tasse universitarie

Orientamento e Tutorato UNICAM
Guidance
Camerino - via Gentile III da Varano 2 - MC
0737 403727 / 403754 / 404606
orientamento@unicam.it
https://www.unicam.it/
instagram universitacamerino
tiktok universitacamerino
yt videounicam

UNICAM
Università di Camerino
1336

Università di Camerino
Scuola di Bioscienze e Medicina Veterinaria

Biological Sciences

LM-6 R - II livello

Biological Sciences

Master Degree - Second Cycle Degree
duration 2 years - ECTS credits 120
Campus location: Camerino

School of Biosciences and Veterinary Medicine

Responsabile Corso
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Bachelor's Degree and Master's Degree Programmes
https://www.unicam.it/didattica

INTRODUCING THE MASTER / OVERVIEW

The second level degree in Biological Sciences (LM-6 class Biology) aims to train graduates with advanced knowledge and expertise in update biomolecular and biotechnological methodologies for application in diagnostic, nutritional, and environmental fields. Indeed, students can choice among parallel curricula:

- **Molecular Diagnostics and Biotechnology**

- **Nutrition: Functional and Sustainable Food**
  These curricula, in combination with core courses, give students flexibility to tailor their degree to their background, interests, and career goals. In order to support the mobility and the successful integration of students and graduates in an international context, these courses are offered in English.
  The characterization of the course is also enriched of two further curricula, offered in Italian language

The curriculum named
- **Nutrizione per il Benessere e lo Sport**
  is more specifically aimed at preparing for the profession of nutritional biologist, with a particular attention towards sports nutrition.

The curriculum named
- **Biologia della conservazione e gestione ambientale**
  is specifically aimed to prepare for professions related to environmental management.
  In this curriculum, some teaching activities will be offered also in English to facilitate student mobility from other countries.

In parallel with the degree course in Biological Sciences, students can enroll in the Scuola di Studi Superiori "Carlo Urbani", an institution of excellence, subject to selection based solely on merit. For more information, visit:
https://scuolastudisuperiori.unicam.it

ADMITTANCE REQUIREMENTS

Graduates of UNICAM Bachelor's degree programs belonging to classes L-2/L-13 and L-32 are granted direct admission to the Master's Degree Program in Biological Sciences (LM-6).
For graduates from other degree classes or from other universities, an individual evaluation of their previous academic background is required in order to assess the adequacy of their preparation and identify any curricular gaps that must be fulfilled before enrollment in the Master's Degree Program in Biological Sciences (LM-6).
Further information on admission rules, pre-admission deadline and other services at http://international.unicam.it

CAREER OPPORTUNITIES

The goal of the Master course in Biological Sciences is to prepare its graduates to start a career in different areas of Biological Sciences with particular regard to scientific research and diagnostics on biomedical, nutritional, and environmental fields. Graduates will be able to deal with the application of biology and biotechnology, at functional and molecular level, in industry, in service sector and in various areas of public administration. The degree in Biological Sciences, through the specific curricula, properly prepares professional figures, such as the nutritional biologist, who are allowed to formulate personal diets and oversee education programs and nutritional and environmental surveillance programs. All curricula will prepare students to engage in research, lead lab teams, make development and planning decisions, create and apply research modalities to large projects.
Graduates in Biological Sciences will be adequately prepared for access to third education level (PhD programs or specialization school) in molecular biology and biotechnology all over the world.

Course structure 4 Percorsi

Molecular Diagnostics and Biotechnology

I year	CFU
Genomics and Proteomics	12
High Performance Bio-Analytical Methods	6
Epigenetics	6
Biology of Cancer and Biomolecular Therapeutic Agents	6
Clinical and Molecular Diagnostics	6
Rotation Laboratory	6
Student choice	8

II year	CFU
Stem Cell Technologies and Animal Models	12
Molecular Parasitology	6
Molecular Ecology	6
Molecular Archeological and Forensic Anthropology	6
Microbial Pathogenesis and Biofilms	6
Experimental Thesis	30
Final Dissertation	4

Nutrition: Functional and Sustainable Food

I year	CFU
Alternative Food & Nutrients Sources	6
Applied Nutrition	6
Food Quality	12
Functional-Sustainable Food Technologies	6
Microbiota and Nutritional Conditions	6
Epigenetics	6
Pathological Conditions related to Nutritional Habits	6
Sustainable Food Systems	12

II year	CFU
Blood Parameters and Nutritional Conditions	6
Endocrine-Metabolic Interplay	6
Pharmacology and Food Toxicology	8
Internship	6
Student choice	8
Experimental Thesis	24
Final Dissertation	2

Biologia della Conservazione e Gestione Ambientale

I year	CFU
Ecologia delle comunità	8
Programmi di valutazione e monitoraggio della biodiversità/ Biodiversity assessment and monitoring schemes	12
Statistica applicata	6
Genetica della popolazione ed ecologia animale	6
Principi di ecologia del paesaggio/ Principles of landscape ecology	6
Igiene e monitoraggio ambientale	6
Attività di laboratorio/ Rotation laboratory	6
Crediti liberi / Student choice	10

II year	CFU
Adattamento degli animali all'ambiente	6
Servizi ecosistemici	6
Genetica ed ecologia delle popolazioni vegetali	7
Microbiologia del suolo e biodiversità	7
Tesi sperimentale/ Experimental thesis	30
Dissertazione finale/ Final dissertation	4

Nutrizione per il Benessere e lo Sport

I year	CFU
Alimenti Funzionali per il Benessere e lo Sport	12
Epigenetica & Nutrizione	6
Fisiopatologia & Nutrizione	12
Metodi Bioanalitici per la Valutazione dello Stato Nutrizionale/ Metabolico	6
Nutrizione Applicata 1: nutrizione per il benessere	6
Nutrizione Applicata 2: nutrizione a supporto dell'attività sportiva	6
Nutrizione di Precisione per il Benessere e lo Sport	12

II year	CFU
Basi Etnico-Culturali della Nutrizione	6
Ecosistema Microbiota-Stato Nutrizionale Organismo	6
Endocrinologia & Metabolismo	6
Parametri Biochimico-Clinici e Stato Nutrizionale	6
Tirocinio	6
A libera scelta	8
Tesi	20
Dissertazione Tesi	2