



UNIVERSITÀ DELLA CALABRIA

DIPARTIMENTO DI **BIOLOGIA,**
ECOLOGIA E SCIENZE DELLA TERRA

DiBEST

**Master degree in
Health Biotechnology**



Why study at UniCal?



> Lively campus

> Quality of research

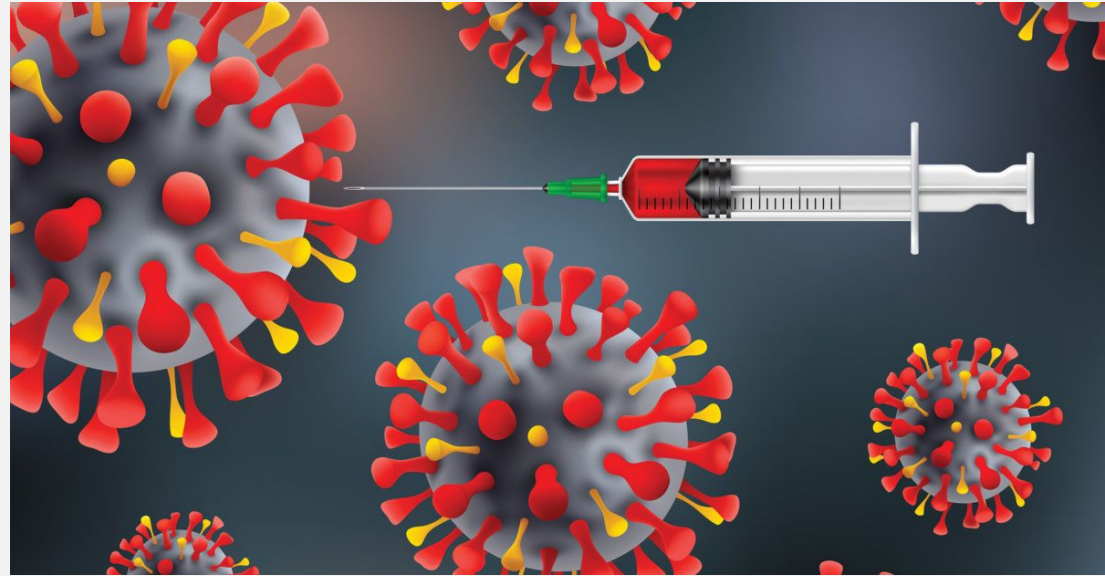
> Good
teacher-to-student ratio

> Internationalization



Master degree in Health Biotechnology

The Master's Degree Course in Health Biotechnology will furnish advanced knowledge, skills and ability to use emerging biotechnological methodologies for operating in the field of ***diagnostics, basic and applied research and therapeutic innovation***. In addition, graduates will be able to interact with healthcare facilities and companies in the biomedical and pharmaceutical sectors dealing with ***drug-discovery***.



Main area: Genetics, Physiology, Computational –Chemistry, Biochemistry, Informatics, Molecular Biology, Anatomy and Cytology



Master degree in Health Biotechnology

Job opportunities

Graduates in Health Biotechnology can work as a Biotechnologist at:

- 1) Research and development laboratories in the biotechnology field (pharmaceutical, diagnostic, biomedical and food sectors)
- 2) Public and private companies oriented to biological and microbiological analysis and to the quality control of the products of biological origin
- 3) Companies in charge of drafting patent regulations regarding the exploitation of biotechnological products and processes
- 4) Universities
- 5) Other public or private research institutes
- 6) Hospitals
- 7) Biotechnological companies
- 8) After passing the Italian State Exam, graduates can be registered with the professions of Senior Biologist in Italy
- 9) Teaching, after a specific training process



Master degree in Health Biotechnology

Study plan

1° anno		
Corsi	Area	Crediti
Applied human genetics (Module 1)	BIO/18	6
Methods of physiological investigation	BIO/09	6
Molecular models of biological interest	CHIM/03	9
Applied human biochemistry (Module 1)	BIO/10	6
Applied human biochemistry (Module 2)	BIO/10	6
Applied human molecular physiology	BIO/09	6
Applied genetic biotechnology	BIO/18	6
Applied human genetics (Module 2)	BIO/18	6
Informatics for biotechnologies	INF/01	6



Master degree in Health Biotechnology

Study plan

2° anno		
Corsi	Area	Crediti
Molecular biotechnologies	BIO/11	6
Advanced molecular diagnostics	BIO/10	6
Applications of biotechnology in Neurotoxicology	BIO/06	6
Courses chosen by the student		12
Internship		6
Thesis		27

And then?



The course gives access to level III training:

Specialization Schools

Level I and Level II Masters Courses, Research

Doctorates



> Doctorates & Master

The Master's Degree Course gives access to Level III training, organized in PhDs, specialization courses and masters

PhD Courses XXXVI ciclo

1. Information and Communication Technologies
2. Ingegneria Civile e Industriale
3. Internazionale di Studi Umanistici. Testi, Saperi, Pratiche: dall'antichità classica alla contemporaneità
4. Matematica e Informatica
5. Medicina Traslazionale
6. Politica, Cultura e Sviluppo
- 7. Life Science and Technology**
8. Scienze e Ingegneria dell'Ambiente, delle Costruzioni e dell' Energia
9. Scienze e Tecnologie Fisiche, Chimiche e dei Materiali
10. Scienze Economiche ed Aziendali

Master II level

Comunicazione e informazione culturale: media e eventi
Progettazione e sviluppo di applicazioni informatiche full-stack
Valutazione del Rischio Chimico, REACH e CLP
Dipendenze patologiche: approcci teorici e interventi in un'ottica multidisciplinare
Data Science
B.I.M. manager e costruzioni ecosostenibili- edilizia 4.0
Inter-lot: Integratore e Gestore di Sistemi Internet-Of-Things
Qualità e sicurezza nell'industria alimentare- Qua.S.I.A
Nutrizione e integrazione nutraceutica- NIN
Business Administration- MBA
Direzione e diritto della salute
Management delle Amministrazione Pubblica
Diritto del lavoro, welfare e servizi per l'impiego
Conservatore dei documenti digitali- PERSEO
Il docente e il dirigente scolastico tra governance e didattica (DIRSCO)
Intelligence
Didattica dell'italiano come L2

Master I level

Esperto in organizzazione e gestione del turismo delle radici
Difesa e tutela dei beni culturali
Revisione Legale
Editoria. Strategie innovative per la comunicazione
Analisi e Teoria Musicale



> Placement

The University of Calabria and DiBEST take care of Placement activities by offering undergraduates and graduates services specifically dedicated to job search and facilitates the meeting between demand and supply of labor.

Job Placement

Facilitates the search for opportunities for graduates, provides orientation to the labor market and instructs on the steps to follow to pass a selection; in this regard it performs CV CHECK operations.

Career Day & Recruiting Day

These are events organized by the office and aimed at helping graduates and undergraduates meet the world of work.

AlmaLaurea

Career Services uses this service to inform graduates and undergraduates of the events organized periodically and grants, to companies with open positions and who make an explicit request, access to the database for the sole purpose of selecting personnel.

High apprenticeship contracts

This is a sector that deals with the activation of high apprenticeship contracts aimed at obtaining a degree or for a research project, if the profile of the young people is selected by private entities that take charge of the hiring. The office carries out operations of connection between the host company and the department of afference.



Contacts

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