

WHY  
ENROLL



Because Biology is the science that studies life, from its origin to its evolution in all the living organisms. Because the study of living organisms is multidisciplinary and will allow you to acquire a solid basic knowledge in the different fields of biology. Because the experimental work intrigues and fascinates you. Furthermore, studying Biology will give you the skills to tackle biological problems practically. Because understanding the biological and molecular mechanisms in all living organisms will let you participate in the technological and scientific revolution that our society is going through.

#### Course Coordinator

Prof. Giulia Maisto [giulia.maisto@unina.it](mailto:giulia.maisto@unina.it)

TEAMS channel – code [pmxncik](#)

(Monday 12:00-13:00; Wednesday 11:00-12:00)



#### Links

**Polytechnic and Basic Science School (SPSB)**

[www.scuolapsb.unina.it](http://www.scuolapsb.unina.it)

**Department of Biology**

<http://www.dipartimentodibiologia.unina.it>

**Bachelor's Degree in Biology**

<http://www.dipartimentodibiologia.unina.it/corsi-di-laurea/laurea-triennale-in-biologia/>

<https://www.facebook.com/biologiatriennale>

#### Student Administration Office

Complesso Universitario di Monte S. Angelo

Via Cintia – 80126 Napoli

e-mail: [segrmmff@unina.it](mailto:segrmmff@unina.it)

Via Mezzocannone 16, 2° piano

80134 – Napoli

e-mail: [segrmmff@unina.it](mailto:segrmmff@unina.it)

#### Contact persons for incoming students

Prof. Carmen Arena

[carmen.arena@unina.it](mailto:carmen.arena@unina.it)

Commissione orientamento

<https://bit.ly/3PY6m1f>

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UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II  
SCUOLA POLITECNICA E DELLE SCIENZE DI BASE

COLLEGIO  
DEGLI STUDI DI  
SCIENZE

## BACHELOR'S DEGREE BIOLOGY



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Updated May 2023

2023|24

Campus di  
Monte Sant'Angelo

Sede del  
Centro Storico

## EDUCATIONAL OBJECTIVES

The educational objectives of the Bachelor degree in Biology is to endow graduates with an in-depth theoretical knowledge in the various fields of biological sciences as well as with the ability to apply the scientific method of investigation.

In addition to the basic and characterizing teaching courses, in the third year the students can choose between: **2 OPTIONAL courses and 2 ELECTIVE courses** within a list of available courses.

The students have the chance to build up their own personalized path choosing which fields of biology they wish to deepen, thus developing specific skills.



## ADMISSION REQUIREMENTS

Limited number of students for the Bachelor degree in Biology.

### Admission test is mandatory:

- Information on the number of available places, which is calculated annually, can be found on the website of the Course of Studies in Biology and on the website of the Polytechnic School and Basic Sciences:

<http://www.dipartimentodibiologia.unina.it/corsi-di-laurea/laurea-triennale-in-biologia>

<http://www.scuolapsb.unina.it/index.php/studiare-al-napoli/ammissione-ai-corsi>

- Announcement and test registration deadlines are published in July on University website ([www.unina.it](http://www.unina.it))
- Characteristics of the test and training site are available on the page [www.cisiaonline.it](http://www.cisiaonline.it) in the CISIA-SCIENZE section.

## STUDY PLAN

### FIRST YEAR COURSES

General and inorganic chemistry and laboratory	8
Mathematics and laboratory	8
Cytology and histology and laboratory	10
Botany and laboratory	10
Physics and elements of computer science	8
Language laboratory (English)	4

### SECOND YEAR COURSES

Organic chemistry and laboratory	8
Zoology and laboratory	10
Ecology and laboratory	10
Biochemistry and laboratory	10
Molecular biology and laboratory	10
Developmental biology and animal phylogeny and laboratory	10

### THIRD YEAR COURSES

Microbiology and laboratory	10
Physiology and laboratory	10
Genetics and laboratory	10
Plant physiology and laboratory	10
Optional course	6
Optional course	6
Course chosen by the student	6
Course chosen by the student	6
Internship/Stage	6
Thesis	4

### OPTIONAL COURSE

#### Bio-ecological field

Principles of plant systematics, Zoology of vertebrate, Comparative pathology, Applied ecology

#### Bio-technological field

Genetic engineering

#### Bio-health field

Food hygiene and HACCP, Institution of general pathology, Fundamentals of human physiology, Fundamentals of anatomy of human apparatus, Hygiene and laboratory

#### Bio-molecular field

Biochemical and laboratory methodologies, Bioinformatics application in molecular biology, Cell differentiation methodologies

### COURSED CHOSEN BY THE STUDENT

This list includes all the courses offered by Department of Biology and Didactic Area of Science of the Federico II University

## CAREER AND JOB OPPORTUNITIES

Students graduated in Biology will be able to enroll in the National Register of Biologists as a junior Biologist and carry out professional technical activities in the following areas:

- cytological, microbiological, metabolic, biochemical, genetic and biodiversity analyses;
- creation and management of databases in the biological field;
- assessment of the biotic impact on the conservation of cultural heritage
- environmental monitoring (water, air, soil, food);
- quality control procedures in all biological areas;
- medical-scientific and pharmaceutical information; • training and scientific dissemination in publishing and pharmacology.

## WHERE WE ARE

The Degree Course takes place with the same training path and teaching, in the two locations:

- Monte Sant'Angelo (MSA) Via Cinthia
- Historic Center (CS) Via Mezzocannone 8 and 16

## HOW YOU CAN REACH US

### Historical center

It is easily reachable from the Central Station (Piazza Garibaldi):

**by bus:** R2 (Piazza Borsa stop);

**by underground:** (University Station);

**on foot:** (about 25 min), following Corso Umberto I.

### Monte Sant'Angelo

**By car:** exit of the Fuorigrotta ring road.

**Rail lines:** Metro Line 2 (Campi Flegrei station);

Circumflegrea (Mostra station)

**Bus lines:** Piazzale Tecchio (Fuorigrotta) - MSA: 615 -180 - R6; Piazza Leonardo (Vomero) – MSA: C33. There are also private bus companies providing connections from and to the main Cities of Campania region

### SERVICES

ADISU point, Sinapsi Center, Canteens, Bar, Copy service, ATM.