

## Why enroll ?

Because the study of nature, of the complexity that generated the diversity of our planet is a key element in all life science disciplines. Natural systems are the home of our species and all the activities that we develop, the place that we share with thousands of other organisms and that we need to know in order to identify the limits within which we must operate. Managing natural systems requires a great interdisciplinary knowledge, required by all the professional activities that develop in our area. Studying nature means raising awareness and understanding the mystery of spring, making our choices compatible and helping to enhance the natural heritage that characterizes the area in which we live.

### Course coordinator

Prof. Domenico Fulgione  
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*Charles Darwin murals at Department of Biology*



### Student Administration Office

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### Useful links

Bachelor Degree in Nature and Environmental Sciences  
[bit.ly/3g6zxNl](https://bit.ly/3g6zxNl)

Department of Biology

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

Polytechnic and Basic Science School (SPSB)

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

### Referent for orientation

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COLLEGIO  
DEGLI STUDI DI  
SCIENZE

## Bachelor Degree in Nature and Environmental Sciences SNA



2022/23

## TRAINING OBJECTIVES

The Bachelor Degree in Nature and Environmental Sciences aims to train students with an interdisciplinary and systemic preparation in the field of Natural Sciences.

Experts capable of reading the environment at various levels, in its biotic and abiotic components and in their interactions and to know how to manage the human-induced transformation processes. The balanced synthesis between the biological and Earth Sciences disciplines will guarantee competences about complex environmental systems, that will guarantee a global vision and therefore a greater ability to analyze and understand phenomena that characterize the natural environment.

Methodological knowledge and their practical application through laboratory and field activities will be examined in depth. Activities for training on sustainable management and the enhancement of natural resources will be developed.



## ADMISSION REQUIREMENTS

Enrollment in the course of study takes place according to scheduled access and requires a mandatory self-assessment entry test (N-QUIZ) whose score is not binding for admission.

## PROGRAM OF STUDY

### I YEAR common for both curricula

Mathematical institutions	9
General biology with laboratory	9
Physics with laboratory	8
General and Inorganic Chemistry with laboratory	9
General Botany with laboratory	9
General Zoology with laboratory	9
English	4

### II YEAR Curriculum Traditional

Mineralogy with laboratory	9
Geology with laboratory	9
Organic Chemistry with laboratory	6
Systematic Zoology with laboratory	9
Physical Geography with laboratory	9
Systematic Botany with laboratory	9
Optional activities	6
Supplementary and complementary activities	6

### II YEAR Curriculum Environmental and Outdoor Guide

Rocks and their components	6
Geology with laboratory	9
Organic Chemistry with laboratory	6
Systematic Zoology with laboratory	9
Physical Geography with laboratory	9
Systematic Botany with laboratory	9
Digital mapping and Geographic Information System	6
Optional activities	6
Supplementary and complementary activities	6

### III YEAR Curriculum Traditional

Ecology with laboratory	9
Lithology with laboratory	9
Animal physiology with laboratory	9
Environmental protection and laws	6
Paleontology with laboratory	9
Optional activities	6
Supplementary and complementary activities	9
Thesis activity	4

### III YEAR Curriculum Environmental and Outdoor Guide

Ecology with laboratory	9
Volcanology and outdoor in volcanic areas	6
Flora and fauna of Mediterranean Basin	10
Environmental protection and laws	6
Paleontology with laboratory	9
Optional activities	6
Supplementary and complementary activities	8
Thesis activity	4

\*The detailed list of Optional activities and Supplementary and complementary activities is available on the website [www.dipartimentodibiologia.unina.it](http://www.dipartimentodibiologia.unina.it)

## JOB OPPORTUNITIES

The elective fields of employment of the graduate in Nature Sciences are:

- Institutions responsible for planning and managing natural resources (Ministry of Agricultural Policies, Ministry of the Environment, Departments, Regional Forest Companies, Mountain Communities);
- Naturalistic and cultural heritage management institutions (National and Regional Parks, Nature Reserves, Protected Areas, Oasis, Superintendencies);
- Public social-health institutes (Territorial technical services, ASL, zooprophyllactic institutes);
  - Public and private biomonitoring institutes (ARPA, APAT, environmental quality control laboratory);
- Private professional institutes involved in research about the analysis and evaluation of natural resources, the assessment of environmental impact, the development of territorial planning tools;
- Field of scientific research, university and CNR laboratories, Natural History Museums,
- Superintendence for architectural heritage and for the landscape and for the historical, artistic and ethno-anthropological heritage, Botanical Gardens and Herbariums.

The graduated student in Nature and Environmental Sciences will develop professional skills such as:

- analysis and conservation of biodiversity;
- creation and management of databases in the naturalistic field;
- environmental monitoring (water, air, food);
- training and scientific divulgation.

## Further study

- Master's degree in Natural Sciences;
- Other master's degrees in the naturalistic area;
- Specialization and Master courses.

## LOCATION

The didactic and scientific activities location is at Monte S. Angelo (MSA) University Campus, in via Cinthia, Naples

## CONNECTIONS

- 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.