

Why ENROLL ?

Because the Master in Biology and Ecology of the Marine Environment and Sustainable Use of Marine Resources Environmental will train you as **Sea Professionals**:

Marine Conservation Scientist and Specialist able to manage various natural resources and to favor policymakers decision in managing human activities. These scientists look at how land and resources are being used to ensure that activities comply with current regulations in place to protect the environment. They try to look for ways to improve the quality of an area and ensure its sustainability for the future.

Environmental Scientist and Specialist able to monitoring aquatic environments to protect them by testing for contaminants and pollution, which in turn can negatively affect human health. You will be able to help in developing solutions to the clean-up and prevent future problems.

Marine Biodiversity Specialist able to monitoring marine environments understanding the interaction between living organisms and the environment, to evaluate and manage the biological resources.

Marine Resources Manager able to oversee teams of other scientists to coordinate their research efforts as they work to test or develop various products. Marine Resources Managers keep these projects running on-time and within budget, as well as update the client on any progress and findings.

Scuba Diving patent.



Link utili

Scuola Politecnica e delle Scienze di Base
www.scuolapsb.unina.it

Dipartimento di Biologia
<http://www.biologia.dip.unina.it>

**MAaster's Degree Course in Biology and Ecology
of the Marine Enviroment and Sustainable Use of
Marine Resorce**
<http://bit.ly/laurea-mare>

Coordinatore del Corso di Studi

Prof. Anna Di Cosmo
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Luglio 2019



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

COLLEGIO
DEGLI STUDI DI
SCIENZE

MASTER DEGREE COURSE BIOLOGY AND ECOLOGY OF THE MARINE ENVIROMENT AND SUSTAINABLE USE OF MARINE RESOURCE



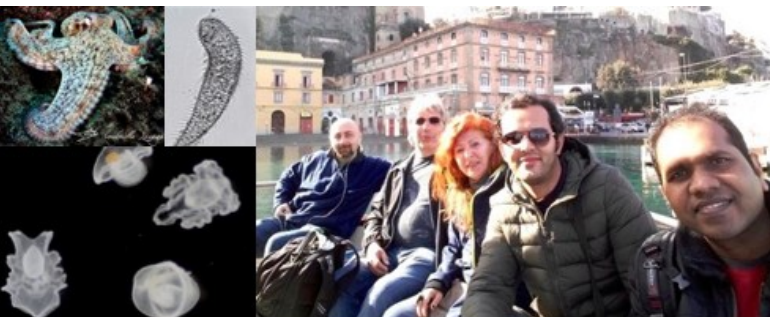
in collaboration with
Stazione zoologica "Anton Dohrn"



MISSION

The mission of Master Degree in Biology and Ecology of the Marine Environment and Sustainable Use of Marine Resources is to train highly specialized marine biologists capable of planning and executing marine ecosystem management and conservation strategies:

- Monitoring and conservation of animal, plant and microbial biodiversity
- Analysis of marine organism eco-physiological responses
- Evaluation of physicochemical, climatic and geological dynamics of the marine environment
- Biomonitoring methods including field work
- Biomolecular applications of marine organisms (algae, animals, micro-organisms and viruses) in pharmacology and biomedicine
- Informatics and bioinformatics tools for data management and modelling to assess ecosystem biodiversity and dynamics
- Scuba diving patent: first level open and second level advanced



ENTRY REQUIREMENT

The Master's Degree course is open to students with a first-cycle degree in: Biology, Biological Sciences, Natural Sciences, Environmental Sciences, Geological Sciences, Biotechnologies and any degrees awarded by foreign Universities that are recognized as being equal to a first-cycle degree.

To Know more see:

<http://bit.ly/laurea-mare>
www.biologia.dip.unina.it
www.scuolapsb.unina.it

THE COURSE

CURRICULUM, ALL IN ENGLISH

It is a stimulating mix of formal lectures, lab work and field trips.

The curriculum of the Master's Degree has been conceived to provide a broad range of professional skills and competencies. Our graduates will be at home both in basic science labs and in jobs involving scientific and technological research and innovation for the management and sustainable exploitation of marine resource.

First Year

	CFU*
Chemical and Physical Oceanography	6
Biodiversity and Marine biomonitoring	12
Marine Microbial Biodiversity	6
Marine Ecology and Pathology	12
Reproductive and Developmental Biology of Marine Vertebrates	6
Scientific English	4
Compulsory module including the Master Thesis preparatory activity	20

Second Year

Physiology of Marine Organisms	6
Biochemical adaptations to the Marine Environment and methods for Marine Conservation Genetics and Genomics	12
Master Thesis	24

*CFU=Credito Formativo Universitario

1 CFU equivale a 8 ore di lezione frontale o 12 ore di esercitazione in laboratorio

JOB PROSPECT

Include work with:

- Public and private research bodies;
- Public and private bodies involved in marine resource protection and management (regional, provincial and municipal bodies, ARPA);
- Public bodies involved in the management and protection of coastal areas and in recovery of polluted sites;
- Environmental services and consulting companies;
- Biomedical and pharmaceutical industries;
- Popularization.

AFTER RECEIVING YOUR MASTER'S DEGREE

You may consider enrolling after test evaluation, to national and international courses (III level): Doctorate Program, 2nd Level Master degree, Specialization Schools, and Advanced Certificate Programs

LA SEDE

La sede delle attività didattiche e scientifiche è nel Complesso Universitario di Monte S. Angelo Via Cintia, Napoli

Collegamenti

- In auto: uscita della tangenziale di Fuorigrotta
- Linee su rotaia: Metropolitana Linea 2 (staz. Campi Flegrei) Circumflegrea (staz. Mostra)

▪ Autolinee:
 Piazzale Tecchio-MSA: 615; 180; R6
 Piazza Leonardo (Vomero)-MSA: C33

- Sono anche attivi diversi collegamenti con autobus privati provenienti dalla provincia di Napoli e da altre province Campane

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