



UNIVERSITY OF MILANO-BICOCCA - THE MALDIVES NATIONAL UNIVERSITY

# MARINE SCIENCES



## PROGRAM DURATION

2 YEARS



## START DATE

OCTOBER 2021



## CREDITS

120 ECTS



## TUITION FEE

FOREIGN STUDENTS WITH A BACHELOR DEGREE (EARNED ABROAD) WHO ENROLL IN MARINE SCIENCES WILL BE ENTITLED FOR THE FOLLOWING BENEFITS:

1ST YEAR: FULL FEE WAIVER

2ND YEAR: € 600



## LOCATION

MILAN, ITALY



## CONTACT

DIATTICA.MS@UNIMIB.IT



## COURSE DIRECTOR

DANIELA BASSO



## PROGRAM DESCRIPTION

MSc. Degree in Marine Sciences is a 2-year joint degree program offered by the University of Milano-Bicocca in partnership with the Maldives National University. The Faculty is composed of experts from the University of Milano-Bicocca, the **Maldives National University**, as well as other non-Italian universities and research organizations. The teaching is based on a multi-disciplinary approach integrating cutting-edge knowledge and research in this rapidly developing field, with the aim to address present and future environmental challenges. The Master's program provides competences on:

- **Natural resources:** management of protected areas and tourism management;
- **Dissemination of scientific knowledge;**
- **Coastal protection:** regional spatial planning, advisory services on coastal erosion, and prevention of biodiversity loss due to anthropogenic pressures;
- **Fisheries and aquaculture:** provision of expert consultancy services on fishing activities and fish farming;
- **Maritime spatial planning:** advisory services on natural, social, legal and regional planning issues.

Students are encouraged to experience national and international internships and will have the opportunity to work in the field and in top-rank scientific labs, including the **MaRHE Center in Maldives**.



## CAREER PATH

Career opportunities for Master's Degree graduates include positions in the public or private sectors as **marine environment analyst** and management experts, **marine biologists and ecologists**, marine and coastal resources experts, marine and coastal environmental policy experts, and human relations experts in maritime activities. The program also provides a solid background to pursue doctoral studies and a **career in the academic sector**.

## CURRICULUM

### FIRST YEAR – COMMON TEACHINGS

BIODIVERSITY AND MARINE ECOLOGY, 12 ECTS  
CHEMISTRY OF MARINE ENVIRONMENT, 6 ECTS  
INTERNATIONAL LAW OF THE SEA , 6 ECTS  
FUNDAMENTALS OF MARINE BIOLOGY, 6 ECTS  
FUNDAMENTALS OF MARINE PHYSICAL GEOGRAPHY, 6 ECTS  
PHYSICS OF THE SEA, 6 ECTS

### TWO OF THE FOLLOWING:

APPLIED GEOMORPHOLOGY AND HABITAT, 6 ECTS  
GEOBIOLOGY, 6 ECTS  
HUMAN GEOGRAPHY OF SMALL ISLANDS SYSTEMS, 6 ECTS  
MARINE INVERTEBRATE ZOOLOGY, 6 ECTS  
MARINE VERTEBRATE ZOOLOGY, 6 ECTS  
ENVIRONMENTAL JUSTICE AND GEOPOLITICS OF THE SEA, 6 ECTS  
BIOFACIES 6 ECTS  
MARINE ENVIRONMENTAL MICROBIOLOGY 6 ECTS  
OCEAN RESOURCES LAW AND POLICY 6 ECTS

### SECOND YEAR – COMMON TEACHINGS

COASTAL AND MARINE HAZARD AND RESILIENCE, 6 ECTS  
ELECTIVE COURSES, 12 ECTS  
PRACTICAL TRAINING, 4 ECTS  
FURTHER LINGUISTIC KNOWLEDGE, 4 ECTS  
FINAL EXAMINATION, 28 ECTS

### TWO OF THE FOLLOWING:

COASTAL AND MARINE BOTANY, 6 ECTS  
MANAGEMENT OF AQUATIC RESOURCES: FISHERIES, 6 ECTS  
MARINE MOLECULAR BIOLOGY, 6 ECTS  
APPLIED MARINE GEOLOGY, 6 ECTS  
PALEOCEANOGRAPHY AND PALEOCLIMATOLOGY, 6 ECTS  
COASTAL RISKS AND DYNAMICS, 6 ECTS  
COASTAL AND MARITIME TOURISM, 6 ECTS  
COMMUNICATION SKILLS AND INTERPERSONAL RELATION  
MANAGEMENT 6 ECTS  
OCEAN MONITORING AND DATA ANALYSIS 6 ECTS

## DEGREE REQUIREMENTS

Min. 3 years Bachelor Degree from an accredited college/university or its equivalent.

**Language Certification:** Certificate of proficiency in English corresponding to min. B2 level, issued by recognized institutions.

## HOW TO ENROLL

Admission procedures **vary according to the student's nationality and place of residence**. For complete clarity concerning different procedures, we invite those interested to consult our website:

<https://en.unimib.it/education/how-enrol>

For further information and updated full details please consult our e-learning page:

<https://elearning.unimib.it/course/view.php?id=17872>

## ACCOMMODATION AT BICOCCA

To book accommodation and learn about the costs and terms of your stay you can write to:

[booking.bicocca.fms.it@sodexo.com](mailto:booking.bicocca.fms.it@sodexo.com).

Our University also offers scholarships to cover accommodation and living costs. For terms of application please consult:

<https://en.unimib.it/services/fees-and-funding>

