



UNIVERSITY OF MILANO-BICOCCA - THE MALDIVES NATIONAL UNIVERSITY

MARINE SCIENCES



PROGRAM DURATION

2 YEARS



START DATE

OCTOBER 2022



CREDITS

120 ECTS



TUITION FEE



LOCATION

MILAN, ITALY



CONTACT

DIDATTICA.MS@UNIMIB.IT



COURSE DIRECTOR

PAOLO GALLI



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;
- **Coral Reef ecosystems:** coral restoration, coral reefs ecology, coral diseases, symbioses, sharks, Environmental DNA.
- **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.

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>

