

WACOMA KEYWORDS AND GOALS

WACOMA deals with analysis and management of marine coastal areas.

Through an interdisciplinary approach, students gain a deep understanding of **coastal processes and dynamics, mitigation and adaptation measures** and ability to manage risks associated with **natural and human-induced events**, consequences of **global climate changes**.

Graduates will reach the ability to develop balancing actions between economic growth and ecosystem health, to manage natural and man-made risks, and to develop coastal management programs to achieve short- and long-term goals.

The curriculum integrates lectures, laboratories, field work activities, as well as several field trips and an entire week of interdisciplinary laboratory.

HOW TO ENROL

WACOMA is an **open-access degree** with an assessment of personal competencies set by the Admission Board. Minimum requirements are: **a bachelor of science (or equivalent) and at least a B2 level of English**. More information and selection criteria are in the annual **Call for Applications**.

CONTACTS

DEGREE PROGRAMME COORDINATOR:
wacoma@unibo.it

DEGREE PROGRAMME TUTOR:
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PROGRAMME TYPE

Second cycle degree Two-year Master 120 CFU



TYPE OF ACCESS

Open access with assessment of personal competencies



LANGUAGE

English



PLACE

Ravenna Campus



DEGREE PROGRAMME CLASS

LM-75 - Environmental and land sciences



INTERNATIONAL CURRICULUM of the Degree in Science and Technologies for Environmental Sustainability

Water COastal MAagement



**INTERNATIONAL 2-YEAR
MASTER DEGREE PROGRAMME (120 ECTS)**
of the University of Bologna, Ravenna Campus.

<https://corsi.unibo.it/2cycle/wacoma/>

OPPORTUNITIES

- High-quality programme in a prestigious University
- Interdisciplinary practical activities
- Thesis with experts in WACOMA topics
- Opportunities for Erasmus exchanges
- Collaboration with Environmental Agencies and Governmental Institutions
- Involvement in international projects and initiatives



CAREER PROSPECTS

TECHNICAL AND ENVIRONMENTAL CONSULTANT >

providing technical and operational support for analyzing and managing environmental aspects related to coastal areas.

SUSTAINABILITY MANAGER >

developing and implementing environmental policies.

ENVIRONMENTAL ANALYST AND EVALUATOR >

supporting decision making in a professional contest.

RESEARCHER >

contributing to innovative research works in different fields, offering the added value of the interdisciplinary vision acquired during training.

WACOMA graduates may work in international companies in energy, industrial chemistry, tourism, building, insurance, etc.; universities and research institutions; NGOs; EEA; UNEP; consulting companies or as freelance professionals.

TEACHING ACTIVITIES

1st year (60 ECTS)

- Bioremediation and exploitation of marine bioresources
- Chemistry of marine and coastal environments
- Geographical Information Systems
- Hydrocomplexity of the coastal zone
- Ecology of coastal environments
- Isotopes as tracers of the sea
- Integrated Coastal Zone Management
- Modeling and assessing climate-related ocean, coastal hazard and risk
- Physiology applied to the environment: Pollutant impacts on human health and ecosystem
- Integrated field and laboratory course (Interdisciplinary)

2nd year (60 ECTS)

- Coastal geomorphology and remote sensing
- Sediment characterization and management in coastal areas
- Free-choice academic courses (1 to 4, at students' choice for a total of 12 ECTS)
- Final examination and thesis preparation activities (total of 36 ECTS)

