UNIVERSITÀ
DEGLI STUDI
DI MILANO

Master's degree programme in

Environmental change and global sustainability

facoltà di

SCIENZE E TECNOLOGIE

Applications and admissions

Open, subject to entry requirements.

Admission requirements

Applicants with an Italian degree (ex DM 270/04 or equivalent ex DM 509/99) from one of the following classes: Scienze per l'ambiente e la natura (L-32) or Scienze e tecnologie per l'ambiente e la natura (L-27) and from other undergraduate classes, provided they have earned at least 45 ects in specific scientific-disciplinary sectors specified in the Manifesto degli Studi.
Graduates with foreign qualifications obtained from international Universities access if their first-level degree is accepted as equivalent to an Italian degree by a Committee appointed by the Master degree, who will also ascertain that the international applicants meet curricular requirements in disciplines specified in the Manifesto degli Studi.
The entry requirement in English proficiency is level B2 or higher. The qualifications recognised by the University of Milan, with the corresponding CEFR levels, can be found at:
https://www.unimi.it/en/study/language-proficiency/placement-tests-and-english-courses/accepted-language-certificates.
Native English speakers and graduates from university first-level programmes entirely taught in English are exempted from producing any such language qualification.

Students without a documented B2 level may be accepted on condition that their level of English proficiency, assessed during the interview, is evidently good.

Objectives

Environmental change plays a central role in modern societies, to the point that a sustainable management of the environment currently represents one of the most important open challenges for humanity. Addressing this challenge requires a multidisciplinary approach that overcomes the usual boundaries of scientific disciplines.

In this context, the Master degree in Environmental Change and Global Sustainability provides advanced expertise in the hard- and life-science components of environmental studies as well as in their economic- and social-science components. The general goal is to train students to tackle environmental change and sustainability in a multidisciplinary perspective. Students will therefore be provided with both a solid knowledge of the dynamics of the different components of the environment and a deep understanding of the tools required to promote its sustainable management and protection.

Career prospects

The ECGS graduates will be able to tackle environmental change and sustainability in a multidisciplinary perspective. This ability benefits of advanced expertise in the hard- and life-science components of environmental studies, as well as in their economic- and social-science components.

ECGS graduates can achieve several different professional positions:

- Environmental manager in agro-food, energy and green economy companies, as well as in other companies in the industrial and service sectors;
- Environmental specialist in the public administration and in local governments;
- Environmental specialist in supra and international bodies and in national or international nongovernmental organizations;
- Specialist in environmental impact studies and strategic environmental assessments;
- Specialist in environmental analysis and monitoring.

Degree syllabus

I year

COMPULSORY LEARNING ACTIVITIES COMMON TO ALL CURRICULA	ECTS
I semester	
Approaches to the study of ecological systems	8
Biodiversity dynamics and conservation	8
Climate change: impact and adaptation	8
Environmental economics and policy	8
Quantitative ecology for environmental change	6
II semester	
Chemistry of natural processes and technologies for the environment	8
Statistical methods in environmental studies	6

ELECTIVE COURSES COMMON TO ALL CURRICULA: CHOOSE ONE COURSE BETWEEN	ECTS
II semester	
Geodiversity: theory and applications	8
Sedimentary successions and their natural resources for the energy transition	8

II year

(to be made available as of academic year 2027/2028)

Curriculum: Environmental Systems: Management and Sustainability

COMPULSORY LEARNING ACTIVITIES	ECTS
18 ects to be earned by choosing 3 courses from: - Agricultural and natural resource economics and policy or Applied environmental and resource economics or Bridging science, policy and sustainability - Ecosystem functioning and services - Georesources and sustainability - Environmental law or Green procurement or Sustainable development - Plant and animal diversity: values risks - Recycle and life cycle assessment (LCA) of products and processes - Sustainability accounting and management	6+6+6

Curriculum: Technological Processes and Environmental Sustainability

COMPULSORY LEARNING ACTIVITIES	ECTS
18 ects to be earned by choosing 3 courses from: - Bioresource and pollution control technology or Environmental change and public Health or Methods in ecotoxicology or Food industry design, technology and innovation - Ecosustainable materials and processes - Ecosystem Functioning and Services - Environmental Geochemistry - Multilevel effects of environmental contamination - Remote sensing of agro-environmental change or Waste management and sustainability	6+6+6

Other activities

- 12 ects for free choice courses
- 6 ects for internship/stage or Multidisciplinary Laboratory of environmental change and global sustainability
- 3 ects for Additional language skills (italian) or Project management for sustainable development or Water resources sustainable economy
- Final dissertation (21 ects)

INFO

Disciplinary classification: Environmental and land sciences and technology (LM-75 R)

Duration: 2 years (120 ects)

Curricula:
- Environmental Systems: Management and Sustainability
- Technological Processes and Environmental Sustainability

Attendance: strongly recommended

Location:
- Settore Didattico - via Celoria, 20 - Milan

For information:
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Websites:
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www.unimi.it

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For further information: www.unimi.it - Education