The Rector

HAVING REGARD TO Politecnico di Milano's Articles of Association;
HAVING REGARD TO Ministerial Decree 3.11.1999, no. 509;
HAVING REGARD TO Ministerial Decree 22.10.2004, no. 270;
HAVING REGARD TO the University's Educational Rules - Regulations;
HAVING REGARD TO the Regulation for 1st and 2nd level Specialising Masters, Post Graduate Courses and Continuing Education of Politecnico di Milano issued with Rector's Decree no. 6485 of 30.05.2024;
HAVING ACQUIRED the favourable opinion of the Academic Senate during the meeting on 22.06.2026, on the establishment and activation of proposals for Specialising Masters, including the first level Specialising Master in "SCIENCE, TECHNOLOGY AND SUSTAINABLE INNOVATION FOR ECOLOGICAL TRANSITION"

HEREBY DECREES

that the first level Specialising Master in "SCIENCE, TECHNOLOGY AND SUSTAINABLE INNOVATION FOR ECOLOGICAL TRANSITION" is established and activated for the years 2027/2028.

ART. 1
Master's features

The first level Specialising Master in "SCIENCE, TECHNOLOGY AND SUSTAINABLE INNOVATION FOR ECOLOGICAL TRANSITION" has been set up and activated at the Department of Energy.

The Master is provided by the Department of Energy. The reference school is the School of Industrial and Information Engineering.

The Specialising Master's Director is Professor Emanuela Colombo. The Vice-Director is Professor Francesco Tonini.
The Scientific Committee of the Specialising Master's programme is composed by:

- professor EMANUELA COLOMBO - POLITECNICO DI MILANO
- professor PAOLA MARIA GARRONE - POLITECNICO DI MILANO
- professor MANUELA ANTONELLI - POLITECNICO DI MILANO
- professor MARCELLO COLLEDANI - POLITECNICO DI MILANO
- professor MATTEO VINCENZO ROCCO - POLITECNICO DI MILANO
- professor RICCARDO MEREU - POLITECNICO DI MILANO
- PETRA SILVIA MEZZETTI - POLITECNICO DI MILANO
- BEATRICE CANTONI - POLITECNICO DI MILANO
- NISO RANDELLINI - POLITECNICO DI MILANO
- ABDELRAHMAN HESHAM MOHAMED ABDELHALIM ABDALLA - POLITECNICO DI MILANO
- professor FRANCESCO TONINI - POLITECNICO DI MILANO.

ART. 2
Educational objective and employment opportunities

The overall objective of this Master's program is to support Tunisian universities by contributing to staff development and by training a qualified generation of young researchers and lecturers.

The specific objective is threefold: to increase knowledge of the global challenges of sustainable development and clarify their implications for Tunisia; to provide participants with the appropriate tools to pursue research and training activities in this field, enabling them to transfer their knowledge to their home universities; to strengthen technical skills aimed at the use of open-source analysis and modeling tools for the integrated management of environmental resources.

The Master's will be delivered in English language.

ART. 3
Teaching content and organisation

The Specialising Master's will start in **March 2027** and will end in **July 2028**.

The Master's program consists of 2 general modules and 4 specialized modules: Introductory Module: Sustainable Development and Ecological Transition in Tunisia (3 ECTS) Specialized Module on Sustainable and Just Energy Transition (10 ECTS) Specialized Module on Industry 4.0 and Sustainable Manufacturing (10 ECTS) Specialized Module on Integrated Water Services Management (10 ECTS) Specialized Module on Agri-food Systems: Management and Innovation for Sustainability (10 ECTS) Skills Module: Project/Research Management and Innovative Teaching (4 ECTS) Project work (13 ECTS).

The master's is a **60 ECTS** programme and teaching will be organised as follows:

Module 1 - Sustainable Development and the Ecological Transition in Tunisia	**MANDATORY Courses**	
Course	**SSD**	**ECTS**
Sustainable Development in the current geopolitical complexities and the ecological Transition in Tunisia	SPS/06 ING-IND/10	**0,5**
Ecological Transition in Tunisia	ING-IND/10 ING-IND/35	**1**
Science Diplomacy as an instrument of cooperation	SPS/06 ING-IND/10	**0,5**
Evidence Based Decision Making to support policy formulation	ICAR/03 ING-IND/10	**1**

Module 2 - The Just Energy Transition: affordability, security and sustainability	**MANDATORY Courses**	
Course	**SSD**	**ECTS**
Fundamentals of Energy System and Principles of Energy Justice	ING-IND/10 ING-IND/09	**3**
Energy Technologies and Infrastructure	ING-IND/09 ING-IND/25	**3**
Energy Scenarios and Energy Modelling: Methods and Tools	ING-IND/10 ING-IND/31	**2**
Economy-wide impact assessment: Methods and Tools	ING-IND/10 ING-IND/09	**2**

Module 3 - Industry 4.0 and Sustainable Manufacturing	**MANDATORY Courses**	
Course	**SSD**	**ECTS**
Industry 4.0 Technologies and Smart Manufacturing Systems	ING-IND/16 ING-IND/17	2
Digitalization and Industrial Data Management	ING-IND/35 ING-INF/05	3
Sustainable and Circular Manufacturing	ING-IND/16 ING-IND/10	2
Industrial Applications and Case Studies for Sustainable Manufacturing	ING-IND/35 ING-IND/16	3

Module 4 - Integrated Water Resources Management	**MANDATORY Courses**	
Course	**SSD**	**ECTS**
Foundations of Integrated Water Resources Management	ICAR/02 ICAR/03	**2**
Water treatment for drinking water, wastewater discharge and reuse	ICAR/03 CHIM/06	**3**
Integrated tools for water monitoring	ICAR/03 ING-INF/03	**2**
Decision Support Tools for Water System Management and Digitalization	ICAR/03 ING-INF/05	**3**

Module 5 - Agrifood systems: Management and innovation for sustainability	**MANDATORY Courses**	
Course	**SSD**	**ECTS**
Management of agrifood value chains for sustainability	ING-IND/17 ING-IND/35	**3**
Innovation ecosystems fundamentals and instruments	ING-IND/35 ING-IND/17	**3**
Innovation management for sustainabile development. The case of agrifood system.	ING-IND/35 ING-IND/17	**2**
Impact innovation and entrepreneurship	ING-IND/35 ING-IND/17	**2**

Module 6 - Management of Research Valorization and Innovative Teaching	**MANDATORY Courses**	
Course	**SSD**	**ECTS**
Research Valorisation: from idea to research output	ING-IND/10 ING-IND/35	**1**
Research Valorisation: from research output to innovation	ING-IND/16 ING-IND/35	**1**

Project Cycle Management: Logical framework approach	ING-IND/10 ING-IND/35	**1**
Innovative Teaching Approaches – course of Studies, Schools and Regional Campus	ICAR/03 ING-IND/10	**1**

Module 7 - Project work	**MANDATORY Courses**	
Course	**SSD**	**ECTS**
Project work	n.a.	13

ART. 4
Admission requirements

30 Eligible candidates will be researchers, lecturers and contract lecturers and collaborators of tunisian Universities in possession of Bachelor's Degree, Master's Degree. For foreign candidates, equivalent degrees will be considered valid in their respective study systems.
The maximum number of admitted students is 35. The selection process will be carried out by the Scientific Committee, which will also enlist the collaboration of Tunisian experts.

ART. 5
Formal requirements

The **admission application** must be submitted starting from the day after the date of this Decree and in compliance with the following deadlines:

- citizens of European Union Member States: **by 15 November 2026**.
- citizens of non-EU countries: **by 15 November 2026**.

The extended information on data processing and data subject rights is available on the website www.polimi.it\privacy.

The managing authority delivering the program must provide students with all the necessary set of forms and information on how to correctly apply to the Master's.

Once the validity of the qualification has been verified, the Managing Body will advise the student on the documentation needed to prove the authenticity of their qualification, in accordance with the MIUR/MAE's note "Procedures for entry, residency and enrolment of international students and the respective recognition of qualifications, for higher education courses in Italy for the academic years 2026/2027 and 2027/2028".

In particular, the Managing Body can request the following documents:

*** Italian/foreign citizens having graduated in Italy**

- copy of the identity document
- copy of the Diploma Supplement or copy of the degree diploma or self-certification through the appropriate form provided by the Master's Managing Authorithy.

*** Italian/EU citizens with qualification obtained abroad**

- copy of the identity document
- **copy of the academic qualification** in original language and its translation into Italian/English/French or Spanish
- copy of transcripts with the list of exams in the original language and their translation into Italian/English/French or Spanish or Diploma Supplement in English language (**when enrolling, the students have to submit:**
  - **the Declaration of Value issued by the relevant area's Italian Representative abroad** or

- the **Diploma Supplement with digital signature or electronic time stamp** or, in case of absence of digital signature/electronic time stamp, **the Diploma supplement with e-apostille** or
- **a certificate issued by CIMEA** or
- **a certificate issued by the World Education Services - WES).**

Under Art. 75 of Italian Presidential Decree 445/2000, if the Administration, after carrying out suitable checks, finds that the content of the declarations made by the applicant is untrue, the declarant forfeits any benefits obtained through the untrue declaration.

*** Non-EU citizens having graduated abroad**

Non-EU foreign citizens must submit the following documents to the Managing Authority:

- **copy of the degree** in the original language and its translation into Italian/English/French or Spanish;
- **copy of the transcripts** with the list of exams in the original language and their translation into Italian/English/French or Spanish (**when enrolling, the students have to submit:**
  - **the Declaration of Value issued by the relevant area's Italian Representative abroad** or
  - **a certificate issued by CIMEA** or
  - **a certificate issued by the World Education Services - WES.**
- **copy of a** valid **passport)**

After the acceptance from the University, and only after confirming to the Managing Authority their participation to the programme in accordance with its procedures, students will have to register on the Ministerial portal https://www.universitaly.it . Once the registration has been completed, the student will have to inform the Managing Authority, so that the application can be sent to the authorities responsible for issuing the entry visa.

It is also specified that:

- the preliminary acceptance of a candidate by the university **does not grant any right to obtain the visa**;
- obtaining a student visa issued by the competent diplomatic-consular representation **does not grant any right to complete the enrollment**.

The managing authority informs Politecnico di Milano Masters and Continuous Educations unit, about the starting date of the course **AT LEAST two months before the starting date.**

ENROLMENT PROCESS:

Students admitted to the Master's Programme must obtain the access credentials to Politecnico di Milano's online services on the website www.polimi.it, enter their personal data and attach valid identity document (passport for non-EU citizens). Students already registered are expected to update their personal details, if these are obsolete.

Portal access credentials must be safely kept since they will be required for the access to all Politecnico di Milano's services. Lost credentials can be autonomously restored or obtained through an OTRS ticket.

In order to proceed with the enrolment, students admitted to the Masters' must pay the enrolment fee as well as the enrolment stamp via Politecnico di Milano's online services.

In addition to the above documentation, **non-EU citizens must upload a copy of a valid entrance document as well as the residence permit, on their online services personal data record**.

In order to be enrolled at Politecnico di Milano, regardless of the Master's delivery mode (in person, online/distance learning), **non-EU citizens must upload a copy of a valid passport on their online services personal data record**.

ART. 6
Degree and award recognitions

ISSUED CERTIFICATION
In order to be able to take the final exam, students admitted to the Master's final examination have to pay the due fee through the online services of Politecnico di Milano.

At the end of the Programme, upon completion of the course and after passing the final test, the student will be awarded the first level specialising Master in "SCIENCE, TECHNOLOGY AND SUSTAINABLE INNOVATION FOR ECOLOGICAL TRANSITIONin English language.

STUDENT OBLIGATIONS
Attendance is compulsory for at least 75 per cent of the programme activities.
Withdrawal from the Programme must be communicated in written form. The training period cannot be suspended for any reasons.

TESTING METHODS
Final Project (13 ECTS): group work applying module knowledge to develop a research proposal or design a new course syllabus. Phase 1: concept note on key innovations. Phase 2: simulation of the approval process, with groups representing different stakeholders.

ART. 7
Tuition fees and contributions

The cost of this Specialising Master programme, is **€ 7.000,00** divided as follows:

- Politecnico di Milano enrolment fee is **€ 500,00** per student.
- Participation fee is **€ 6.500,00** per student

Politecnico di Milano enrolment fee will not be refunded under any circumstances.

Both the enrolment fee and the participation fee shall be paid through a PagoPA payment notice. The traceability of financial transactions is ensured by the PagoPA system itself.

The fee includes **€4.00** per student for insurance coverage.

The enrolment costs for 30 participants are fully funded by AICS.

ART. 8
Personal data processing

Under EU Regulation no. 2016/679 on data protection, the University processes personal data only for purposes related to the master's admission, enrolment and management, and you agree to the disclosure of your personal information to third parties, particularly:

- public and private entities possibly interested in recruitment;
- to academic programme backers; Politecnico Treasurer for services related to tuition fees;
- to Managing Authorities managing loans, housing, flexible employment contracts, cultural, recreational and/or sport activities.
- I authorise the use of the data for statistical purposes in respect of the procedures and authorisations required by the cited regulation.

The extended information on data processing and data subject rights is available on the website www.polimi.it\privacy

ART. 9
Publication

This Decree is made public on Politecnico di Milano's website at https://www.polimi.it/corsi/master-universitari-e-corsi-post-laurea/

FOR CLARIFICATIONS AND FURTHER INFORMATION, PLEASE CONTACT:

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The Rector
(prof. Donatella Sciuto)
Signed Donatella Sciuto

Digitally signed document, under legislation.