

Rector



POLITECNICO
MILANO 1863

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 of 1st and 2nd level Specialising Masters, Post Graduate Courses and Continuing Education of Politecnico di Milano issued with Rector's Decree no. 0227162 of 04.10.2022;
HAVING ACQUIRED the favourable opinion of the Academic Senate during the meeting on 20.02.2023, on the establishment and activation of proposals for Specialising Masters, including the "PROJECT AND SAFETY MANAGER IN CONSTRUCTION WORKS" first-level Specialising Master's.

DECREES

That the "PROJECT AND SAFETY MANAGER IN CONSTRUCTION WORKS" first-level Specialising Master's has been established and activated for the years 2023/2024.

ART. 1

Master's features

The "PROJECT AND SAFETY MANAGER IN CONSTRUCTION WORKS" first-level Specialising Master's has been established and activated at the Architecture, Built Environment and Construction Engineering Department.

The Academic Programme is provided by Consorzio CISE-E - Politecnico di Milano. The reference school is the School of Architecture Urban Planning and Construction Engineering.

The Specialising Master's Director is Professor Pietro Giuseppe Crespi. The Vice Director is Professor Roberto Cigolini.

The Scientific Committee of the Specialising Master's programme comprises Professors from Politecnico di Milano: Pietro Giuseppe Crespi, Roberto Cigolini, Paola Ronca, Gianandrea Ciaramella, Stefano Bellintani; and Eng. Giovanni Franchi from Consorzio CIS-E - Politecnico di Milano.

ART. 2

Educational objective and employment opportunities

This specializing master course aims to give the main tools of project management to both engineers and architects. Nowadays it is getting more and more important to know how any project should be managed from its inception to its end, in order to optimize costs and to get forward according to a predefined schedule. During this specializing master the students will be introduced to the theory of project management, of investment valuation, and financial accounting. They will receive all the information needed to obtain the PMI (Project Management Institute) certifications and the IPMA (International Project Management Association) certifications. They will also receive all the information needed to obtain the NEBOSH HSE Certificate in Process Safety Management. They will receive all the information needed to become a Lean Green Belt Project Leader. And all the information needed to become an accredited project manager in Italy with Accredia. Besides all these PM tools, specific knowledge about digitization of the construction industry and about data analysis, learning how to use a powerful tool like Matlab for data management. Today in fact project and safety managers can no longer do without a deep knowledge about a trend, digitization of the construction industry, which is only

destined to become ever more important in coming years. The construction industry generates a huge amount of data which until now have been mostly wasted. The ability to collect those data, to store them, to interpret and to use them efficiently will lead in the future to major competitive advantages. So much so that ultimately project and safety managers and data analysts are going to become just one professional figure. Last but not least, a whole unit is about soft skills, those interpersonal attitudes and capabilities of leadership and communication that make the difference between a good project manager and a mediocre one.

The job opportunities opened by the skills acquired following the lessons of this specializing master are varied and plentiful: construction firms, engineering companies, real-estate developers, general contractors, government agencies, etc., all of them need and look for project and safety managers who have delved deeply into the innovative topics of digitization and data analysis offered during the lessons of the master. Many large general contractors, engineering firms, and producers have already confirmed to us to be extremely interested in employing technicians equipped with the set of skills the master will provide.

The Master programme is delivered online.

**ART. 3
Teaching content and organisation**

The Specialising Master's will start in **November 2023** and will end in **November 2024**.

This specializing master is made of 527 hours of lectures split between 416 hours of various project and safety management subjects, 75 hours of digitization, and 36 hours about soft skills. No intermediate tests are scheduled, instead at the end of the course 240 working hours will be dedicated to the writing of a master thesis that will be reviewed and judged by the academic committee. The subject of the thesis must be the description of a project, or eventually more projects, in which each student is involved while following the master, or has been involved in the past. And the ultimate goal of the thesis is to show how each student has learnt to use in her/his profession some of the tools provided by the master. Each student will be able to write her/his dissertation autonomously.

The master is a **61 ECTS** programme and teaching will be organised as follows:

Didactic activities	MANDATORY Courses			
	Course	SSD	Total hours of activity	ECTS
Fundamentals of management engineering	ING-IND/35	264	10,5	
NEBOSH International General Certificate course	ING-IND/28	275	11	
An Introduction to Value Averaging	ING-IND/35	32	1	
IPMA® International Project Management Certification	ING-IND/35	64	2,5	
PMI Project Management Certification (CAPM® and PMP®)	ING-IND/35	124	4,5	
Lean Six Sigma Green Belt Project Leader	ING-IND/28	164	6,5	
Real estate valuation and valorization	ICAR/12	82	3	
How to become a certified project manager	ING-IND/35	56	2	
Leadership & soft skills + communication and public speaking	ING-IND/35	75	3	
Digitization and its impact on project management	ICAR/13	57	2	
	ICAR/14			
Data analyst	ICAR/12	64	2,5	
	ICAR/09			
Matlab for data analysis	ICAR/12	25	1	
	ICAR/09			
Common data environment and tools for the digital future of the construction industry	ICAR/12	65	2,5	
	ICAR/09			

Other activities	MANDATORY Courses		
Course	SSD	Total hours of activity	ECTS
Thesis preparation, discussion and final exam	Not applicable	250	9

ART. 4 Admission requirements

The admission is open to candidates with a Bachelor/Master of Science in Engineering, Architecture and similar scientific subjects. For applicants holding a foreign degree, the equivalent qualifications in the respective university systems will be considered

The maximum number of admitted students is 50. The selection process is carried out by the Scientific Committee.

ART. 5 Formal requirements

The **admission application** must be submitted to the managing authority starting from the day after the date of this Decree and by **6 November 2023**.

The admission application must state the following "I authorise this University, under EU Regulation no. 2016/679 on data protection, to process personal data only for purposes related to the Master's admission, enrolment and management, and agree to the disclosure of my personal information to third parties, particularly:

- public and private entities interested in possible recruitment;
- to academic programme backers; Politecnico Treasurer for services related to tuition fees;
- to entities managing unsecured loans, housing, flexible employment contracts, cultural, recreational and/or sports 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

Admission documentation is available at the following website <https://www.masterpesenti.polimi.it/modulistica.php> or contacting the secretary at the following number and email +39 02.2399.4341, franchi@cise-polimi.it

The listed document below must be sent to:

Consorzio CISE/Scuola Master f.lli Pesenti

P.ZZA LEONARDO DA VINCI, 32

20133 MILANO (MI)

Telefono: +39 02 2399 4341/4381

email: franchi@cise-polimi.it; paola.ronca@polimi.it

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

- copy of the identity document
- copy of the Diploma Supplement or photocopy of the degree diploma

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

- copy of the identity document
- copy of the academic qualification obtained both in original language and translated
- copy of the certificate (both in original language and translated) showing the marks given in the individual exams or Diploma Supplement (**during enrolment, the certificate of equivalence issued by the relevant area's Italian Representative abroad or certificate issued by the Enic/Naric Centres must be submitted**)

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 by the measure issued based on the untrue declaration.

*** Non-EU citizens who graduated abroad**

Non-EU foreign citizens must submit the following 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 **or Diploma Supplement**
- **copy of a valid passport**

At least 30 days before the closing date of the registration period as indicated in this article.

The Managing Authority shall send the documentation listed above for the evaluation of qualifications, to participate in the Politecnico di Milano's Specialising Masters, **Masters and Lifelong Learning Service by the closing date of this call for applications**, under the MIUR/MAE note "Procedures for entry, stay and enrolment of students applying for visas in higher education programmes in Italy for the 2022/23" academic year.

Following acceptance by the University, and only after confirming to the Managing Authority their participation on the Programme by the set methods, students must register on the Ministerial portal <https://www.universitaly.it> informing the Managing Authority that the registration has been completed in order for the application to be sent to the Representative responsible for issuing the entry visa.

ENROLMENT METHOD:

Students admitted to the Master's Programme must create access credentials to Politecnico di Milano's online services on the website www.polimi.it They must then enter their details and create a **person code**, attaching a valid identity document (passport for non-EU citizens), and communicate their person code to the Master's Managing Authority. Students already registered must update their personal details, if they are obsolete.

Portal access credentials must be retained as they will be required to access all of Politecnico di Milano's services. Lost access credentials may be autonomously restored or obtained through an OTRS ticket.

Politecnico creates a temporary student identification number to allow the student to pay the enrolment fee via online services.

The achievement of an Italian degree can be self-certified by completing the appropriate form provided by the Managing Authority. A degree obtained abroad must be documented by presenting a **declaration of value (DOV)** issued by the Italian Representative abroad (Italian Embassy or Consulate) on letterhead complete with its original stamp; **or a certificate issued by the Enic/Naric Centres.**

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

Degree and award recognitions

ISSUED CERTIFICATION

Students admitted to the Master's final examination will pay the fee via the online services of Politecnico di Milano in order to be able to take the exam.

At the end of the Programme, upon completion of the course and after passing the final exam, the student will be awarded the “Project and Safety Manager in construction works” first-level Specialising University Master’s.

STUDENT OBLIGATIONS

Attendance is compulsory for at least 75 per cent of the programme activities.

Cancellation from the Programme must be made in writing. The training period may not be suspended for any reason.

TESTING METHODS

The final exam will consist in the discussion online of the thesis

ART. 7

Tuition fees and contributions

The cost of this Specialising Master programme is € **3,500.00** divided as follows:

- Politecnico di Milano enrolment fee: € **500.00** per student.
- Participation fee: € **3,000.00** per student

Enrolment and participation fees can be paid by the following dates:

- First instalment: € **2,000.00** by 15/11/2023
- Second instalment: € **1,500.00** by 28/02/2024

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

Enrolment and participation fees can be paid to the current account with IBAN:

IT89N0306909498100000001001 – Current Account 100000001001 – CIN EUR 89 – CIN IT N – Account Holder Consorzio CIS-E Politecnico di Milano – at Banca INTESA – Viale Romagna 22 - 20133 Milan.

Specifying as the reason for the payment: **ID 2524 MU2 P&C Manager in construction works.**

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 interested in possible recruitment;
- to academic programme backers; Politecnico Treasurer for services related to tuition fees;
- entities managing unsecured loans, housing, flexible employment contracts, cultural, recreational or sports 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:

Prof. Paola Ronca

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P.zza Leonardo Da Vinci, 32

20133 Milano (MI)

Phone: +39 02.2399 4341/4381

Email: franchi@cise-polimi.it; paola.ronca@polimi.it

<http://www.masterpesenti.polimi.it>

Rector
(Prof. Donatella Sciuto)
Signed Donatella Sciuto

Digitally signed document, under legislation.