



Decree Index no. 5432 Ref. no. 105196
Date 25/06/2021
Title III Class V
UOR SEMFC

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 Specialising Masters of Politecnico di Milano issued with Rector's Decree no. 2235 of 05.08.2013;
HAVING ACQUIRED the favourable opinion of the Academic Senate during the meeting on 21.06.2021, on the establishment and activation of proposals for Specialising Masters, including the "BIM MANAGER" II level Specialising Masters

DECREES

That the "BIM MANAGER" II level Specialising Masters is established and activated for the academic year 2022/2023.

ART. 1 Masters features

The "BIM MANAGER" II level Specialising Masters is established and activated at the Department of Architecture, Built Environment and Construction Engineering.

The Masters' Administrative Office is at the Consorzio CIS-E, and the Reference School is the School of Architecture Urban Planning and Construction Engineering.

The Coordinator of the Specialising Masters is Prof. Bruno Daniotti, and the Vice Coordinator is Prof. Pietro Giuseppe Crespi.

The Commission of the Specialising Masters programme comprises the following Politecnico di Milano professors: Alberto Franchi, Paola Ronca, Stefano Della Torre; Eng. Alessandro Zichi of Consorzio CIS-E and Dr. Mario Caputi of IN2IT.

ART. 2 Educational objective and employment opportunities

The programme focuses on training BIM Managers and professionals in integrated projects. We will look at regulations, data processing and responsibilities, starting from the European Union Public Procurement Directive - EUPPD and BIM in the construction sector design for public works carried out using European Union funds from 2016, and then with basic training on the use of critical applications. Some theoretical foundations and practical applications will allow students to manage files and projects drawn up in the integrated design field. Some widely used software will be explained, along with its functionality and application areas. The basic training will give students a clear idea of the prospects for improvement in the management of contracts, project validation, interference control, and work progress. Importance is given to project work and homework on case studies. The programme focuses on issues related to integrated BIM design tools. Compatible software tools using BIM logic support architectural, plant, energy, structural design, construction site management and building management. BIM software makes it possible to manage environmental practices during the construction of buildings and infrastructures, enabling a conscious choice of technologies and solutions in new buildings and infrastructures and the renovation of existing buildings and infrastructures. Possible employment opportunities are construction companies, manufacturers of building technologies, engineering, architecture and public administration design firms, in Italy and abroad.

ART. 3
Teaching content and organisation

The Specialising Masters will start in **March 2022** and close in **March 2023**.

The Master is essentially divided into two semesters: the first involves lectures, seminars, practical exercises; the second is dedicated to the completion of the internship and thesis. The Master will be held in the classroom and online by Politecnico di Milano's professor and experts in BIM application. The students enrolled on the Online Master will be able to attend lessons in synchronous or asynchronous mode overall the Academic Year. All students will have access to material and video recorded lessons that will be uploaded on the online platform and will remain available to students until the date of graduation. With a small additional contribution, students may also benefit from other short courses offered by the School, to complete their education. Most of the lectures will have materials in Italian and/or English.

TEACHING			
SSD	Teaching modules title	Total hours	ECTS
ICAR 14/ICAR 13	Introduzione: la rivoluzione digitale e i suoi impatti nella scena nazionale e internazionale/Introduction: the digital revolution and its impacts on the national and international scene	25	1
ICAR 12/ICAR 14	Quadro normativo e BIM/BIM Regulations and standards	50	2
ICAR 12/ICAR 14	Diventare BIM manager certificato/Becoming a certified BIM manager	25	1
ING-IND/35	Il project management per il BIM/Project management for BIM	100	4
ICAR 12/ICAR 09	Dati come asset: PIM (Product Information Modeling), AIM (Asset Information Modeling) Data as asset: PIM (Product Information Modeling) and AIM (Asset Information Modeling)	115	4,5
ICAR 12/ICAR 09	Il BIM per l'autoring architettonico/BIM for architectural authoring	99	3,5
ICAR 12/ICAR 09	Il BIM per la progettazione delle strutture/BIM for structures	75	3
ICAR 12/ICAR 09	BIM to MEP e BIM to BEM (Building Energy Modeling) BIM to MEP and BIM to BEM (Building Energy Modeling)	82	3
ICAR 12/ICAR 09	BIM per l'autoring infrastrutturale/BIM for infrastructural authoring	98	3,5
ICAR 12/ICAR 09	Coordinamento, revisione e validazione/Coordination, review and validation	75	3
ICAR 12/ICAR 09	Programmazione del lavoro e computistica (4D e 5D) Schedule and computing (4D and 5D)	25	1
ICAR 12/ICAR 09	Il BIM nell'industrializzazione edile e il BIM to Field/BIM for industrialization in construction and BIM to Field	25	1
ICAR 12/ICAR 09	Gestione e manutenzione del bene (6D e 7D) Building management and maintenance (6D and 7D)	25	1
ICAR 12/ICAR 09	Common data environment e strumenti per il futuro digitale del settore delle costruzioni / Common data environment and other tools for the digital future of the construction field	65	2,5
ICAR 12/ICAR 09	Oracle Primavera P6	75	3
ICAR 12/ICAR 09	Legal BIM	25	1
	TOTAL teaching	984	38
OTHER ACTIVITIES			
	Internship	550	22
	Thesis preparation, discussion and final exam	150	6
	TOTAL other activities	700	28
	TOTAL	1.684	66

ART. 4
Admission requirements

The Masters is open to applicants with a Laurea Specialistica/Magistrale (equivalent to Master of Science) in Engineering, Architecture, and similar scientific disciplines. Equivalent qualifications from the university systems of foreign applicants are valid.

The Commission is responsible for the selection.

ART. 5
Formal requirements

The **admission application** must be presented in one day from the day after the date of this Decree and **within March 11, 2022**.

*** Italian/foreign citizens with educational qualifications obtained in Italy**

- Self-certification concerning personal identity (surname and name, date and place of birth, nationality and residence)
- copy of the identity document
- copy of the Diploma Supplement or photocopy of the laurea qualification and certificate with the list of exams taken for graduate students of the Old Educational System
- Curriculum Vitae

*** Italian/E.U. citizens with a qualification obtained abroad**

- Self-certification concerning personal identity (surname and name, date and place of birth, nationality and residence)
- copy of the identity document
- Photocopy of the academic qualification obtained, with a certificate showing the scores obtained in each exam or Diploma Supplement (**upon enrolment, the on-site Value Declaration issued by the Italian Representation abroad competent for the territory or certification issued by the Enic/Naric Centres**)
- Curriculum Vitae

The admission application must show the declaration. "I authorize this University, pursuant to EU Regulation n. 2016/679 regarding the protection of personal data, the personal data processing for the sole purposes related to the admission, enrolment and management of the master, and in any case, I allow to disclose personal information to third parties and in particular:

- to public and private Bodies for possible recruitments;
- to training programme providers; to the Bank Treasurer of Politecnico for services connected to taxes;
- to bodies managing honor loans, accommodation, flexible employment contracts, cultural, recreational and/or sport activities.
- It also authorizes the use of data for statistical purposes in compliance with the procedures and authorizations required by the aforementioned legislation.

The whole information on data processing and rights of the interested party is available on the web site www.polimi.it/privacy

The documents must be sent to:

Consorzio CIS-E

P.zza Leonardo Da Vinci, 32

20133 Milano (MI)

Telefono: +39 02 2399 4341/4381

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

Pursuant to Article 75 of Presidential Decree 445/2000, if the Administration finds, on the basis of appropriate checks, an untruthful content on declarations provided by the candidate, the declarant does not have the benefits eventually obtained by the provision issued on the basis of the untruthful declaration.

*** Non-E.U. citizens with a qualification obtained abroad**

Non-EU foreign citizens must submit to the Institution:

- **copy of qualification** in original language and the related translation into Italian/English/French or Spanish
- **copy of transcripts** with the list of exams in original language and the related translation into Italian/ English/French or Spanish or **Diploma Supplement**
- **copy of valid passport**
- Curriculum Vitae

At least 30 days before the closing date for registration, as indicated in this article.

The Institution sends all the documents listed above for the evaluation of the qualifications, for the purposes of participation in the Specializing Master, to Politecnico di Milano, **Corporate & Continuing Education Unit, within the deadline of this call**, according to the provisions of the MIUR/MAE note "Procedures for access, stay and registration of visa applicant students for higher education programmes in Italy for the academic year 2021/22".

The Corporate & Continuing Education Unit communicates the acceptance of the student and the outcome of the access tests, where required, to the competent Representations, for completion of the documentation related to the qualification, required for the issue of the Entry Visa.

After confirmation of acceptance by the University, the candidates submit their qualification to the Diplomatic Representation, for the required consular acts.

ENROLMENT METHOD:

Students admitted to the Master's programme must create access credentials to Politecnico di Milano's online services using the following website www.polimi.it They must then enter their data and create a person code, attaching a valid identity document (passport for non-EU citizens), and communicate their person code to the Master's programme Manager. Registered students will have to update their personal data, if it is obsolete.

Keep portal access credentials for later access to Politecnico di Milano services. Lost access credentials can be autonomously restored or with ticket OTRS.

Politecnico creates a temporary student identification number to allow the student to pay the enrolment stamp online.

An Italian degree is 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 Representations 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 residence permit on their online services personal data record.**

ART. 6
Degree and award recognitions

ISSUED CERTIFICATION

At the end of the programme, after passing the final test, the “BIM Manager” II level Specialising Masters will be awarded.

Students admitted to the final exam of the Master will pay the stamp through the online services of Politecnico di Milano, in order to take the exam.

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. The simultaneous enrolment on a specialising Master and on another Italian University academic programme is not allowed.

TESTING METHODS

The final exam will consist of the discussion of the master’s thesis.

ART. 7
Tuition fees and contributions

The cost of the Specialising Masters is € **6,500.00** for those who enrol in the **in-attendance** mode thus divided:

- € **500.00** – Politecnico di Milano enrolment fee
- € **6,000.00** – Masters attendance fee

Enrolment and attendance fees (for the in-attendance mode) can be paid on the following dates:

- First instalment € **3,500.00** by 11/03/2022
- Second instalment € **3,000.00** by 22/07/2022

The cost of the Specialising Masters is € **3,500.00** for those who enrol in the **online** mode thus divided:

- € **500.00** – Politecnico di Milano enrolment fee
- € **3,000.00** – Masters attendance fee

Enrolment and attendance fees (for the online mode) can be paid on the following dates:

- First instalment € **2,000.00** by 11/03/2022
- Second instalment € **1,500.00** by 22/07/2022

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

Tuition and enrolment fees can be paid to the bank account number: IT89N0306909498100000001001 – Current account 100000001001 – CIN EUR 89 – CIN IT N – account holder Consorzio CISE at Banca INTESA SANPAOLO - Viale Romagna 22 - 20133 Milan.

Specify: **ID 2102 MU2 BIM Manager** as the reason for the bank transfer.

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 masters admission, enrolment and management, and in any case you agree to the disclosure of your personal information to third parties, particularly:

- public and private entities interested in possible recruitment;
- academic programme backers; Politecnico Treasurer for services related to tuition fees;
- 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

ART. 9
Publication

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

FOR INFORMATION ON THE SPECIALISING MASTERS:

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Piazza Leonardo Da Vinci, 32

20133 MILAN (MI)

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

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

The Rector
(Prof. Ferruccio Resta)
Signed Ferruccio Resta