



POLITECNICO
MILANO 1863

According to Law No. 168 of 9.5.1989;

DEADLINE: 30th May 2024, 2pm

The Rector

According to Law No. 240 of 30.12.2010;

According to the Decree of Ministry of Education, University and Research (MUR) "Regulations containing the procedures for accreditation of PhD locations and programmes and criteria for the establishment of PhD programmes by accredited bodies" No. 226 dated 14.12.2021;

Having regard to the Politecnico di Milano PhD Regulations issued with R.D. No. 0159327 dated 07.07.2023 and subsequent amendments;

According to the deliberation of the Academic Senate of 18/03/2024;

According to the deliberation of the Board of Governors of 26/03/2024;

HEREBY DECREES

Art. 1 (Establishment)

A call has been announced for admission to the 40th cycle of PhD programmes at the Politecnico di Milano. This call specifies, for each PhD programme, the available places assigned by the call and the number of available scholarships.

In order to activate a PhD programme, the minimum number of PhD students cannot be less than three.

The call is open to Italian and foreign students. Stateless students are considered as foreign students.

Admission to the programmes will be based on the evaluation of the applicants' academic curricula and academic qualifications, the applicants' motivation letters and their report on the development of a possible PhD research project, to be sent by applicants at the time of their registration to the call, in accordance with Article 3 below.

The PhD programme will last three years.

Pursuant to the MIUR Decree No. 226 of 14/12/2021, PhD programmes can only start after being accredited by the Ministry in accordance with the consistent opinion of ANVUR. Therefore, candidates will be able to enrol once the final ranking list is published, and only if the programme has been accredited for the 40th cycle.



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Art. 1 bis
(Types of positions)

The PhD available places fall within the following categories:

- a) places with doctoral scholarships provided by the Politecnico di Milano. Scholarships can be open subject or connected to a specific research theme.
- b) places without doctoral scholarships provided by the Politecnico di Milano.

TABLE OF AVAILABLE PLACES 40th cycle

NAME OF PhD PROGRAMME	TOTAL AVAILABLE PLACES	No. SCHOLARSHIPS (including thematic)
ARCHITECTURAL URBAN INTERIOR DESIGN	6	5
ARCHITECTURE, BUILT ENVIRONMENT AND CONSTRUCTION ENGINEERING	10	8
BIOENGINEERING	6	5
INDUSTRIAL CHEMISTRY AND CHEMICAL ENGINEERING	1	1
PRESERVATION OF THE ARCHITECTURAL HERITAGE	5	4
DATA ANALYTICS AND DECISION SCIENCES	1	1
DESIGN	7	6
PHYSICS	1	1
AEROSPACE ENGINEERING	5	4
ENVIRONMENTAL AND INFRASTRUCTURE ENGINEERING		
Area 1. Water Science and Engineering	1	1
Area 2. Transport Infrastructure and Geosciences	1	1
Area 3 Environmental and Hydraulic Engineering and Geomatics	2	1
MATERIALS ENGINEERING	4	3
INFORMATION TECHNOLOGY		
Area 1. Computer Science and Engineering	6	5
Area 2. Electronics	1	1
Area 3. Systems and Control	1	1
Area 4. Telecommunications	2	1
ELECTRICAL ENGINEERING	1	1
MECHANICAL ENGINEERING	6	5
STRUCTURAL, SEISMIC AND GEOTECHNICAL ENGINEERING	5	4
MATHEMATICAL MODELS AND METHODS IN ENGINEERING SCIENCE, TECHNOLOGY AND POLICY FOR SUSTAINABLE CHANGE	4	3
ENERGY AND NUCLEAR SCIENCE AND TECHNOLOGY	1	1
URBAN PLANNING, DESIGN AND POLICY	5	4

Each PhD programme can provide as extra positions, up to 2 positions for higher education apprenticeships, on the basis of specific agreements with interested companies, up to 2 positions for public employees on paid leave, and up to 3 positions for candidates with scholarships provided by Italian and foreign bodies without previous agreement.

All research themes, specific activities and economic conditions can be consulted on the web page "Areas, subjects and thematic of research published in the call", <https://www.dottorato.polimi.it/index.php?id=428&L=1>

The subjects of the thematic scholarships can be consulted at the web page "Thematic Scholarship", <https://www.dottorato.polimi.it/index.php?id=424&L=1>



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Art. 2
(Requirements for admission to the call)

Applications may be submitted by Italian and foreign students holding a university degree obtained under the educational system in force prior to M.D. n. 509 dated 03/11/1999, or a Laurea Specialistica (equivalent to a Master) obtained in accordance with M.D. n. 509 dated 03/11/1999, or a Laurea Magistrale (equivalent to a Master) obtained in accordance with M.D. n. 270 dated 22/10/2004, or similar academic qualifications obtained abroad that are equivalent in terms of duration and contents to the Italian qualifications and qualified as fit by the Selection Committee.

Where there are foreign qualifications, applicants must submit all documents required to enable the Selection Committee to establish the eligibility of the qualifications obtained abroad.

Only applicants who meet the following requirements can apply for the call:

- have obtained a *Laurea Magistrale* in Italy (or equivalent qualifications that are valid for admission to PhD programmes) **with a final score no lower than 95/110 or 86/100**;
- for qualifications obtained abroad, have **the minimum average score in exams indicated in the appendix to the call** (attachment 1). For the Countries not included in this list, the evaluation will be carried out directly by the Selection Committee.

Former PhD candidates of Politecnico di Milano cannot participate in the call for the same programme if they have been issued a measure of exclusion from the programme in the last 5 years.

Candidates who are not in possession of the required qualification at the closing date of this call may also apply for it. Following the assessment by the Selection Committee, any admission of such applicants to PhD programmes will be "subject to verification".

In any event, the academic qualifications must be awarded before enrolment and no later than 11/09/2024, with the minimum marks indicated above. Otherwise, applicants will lose their right to be admitted to the PhD programme.

Certified knowledge of English is required from all candidates. They are required to submit one of the certificates listed below by and no later than 11/09/2024, if they have not already submitted it at the closing date of this call.

Failure to submit the requested certificates by the above-mentioned deadlines irrevocably entails the loss of the right to enrol.

Below is a list of the certifications accepted by the Politecnico di Milano and the corresponding levels.

TEST	MINIMUM LEVEL REQUIRED
CAMBRIDGE	≥ FCE grade B
CAMBRIDGE	≥ CAE - grade C
CAMBRIDGE IELTS (International English Language Testing System) (Academic)	≥ 6
ETS - TOEFL (Test of English as a Foreign Language)	paper based (total score): ≥ 547
ETS - TOEFL (Test of English as a Foreign Language)	computer based (total score): ≥ 210
ETS - TOEFL (Test of English as a Foreign Language)	internet based (total score): ≥ 78
ETS - TOEIC (Test of English for International Communication - Listening and Reading Test)	≥ 720
TRINITY COLLEGE LONDON	≥ ISE II

The aforementioned certifications are valid regardless of the date when they were awarded.

Citizens of Countries in which English is an official language are not required to certify their knowledge of English. Similarly, applicants who have been awarded or will be awarded academic qualifications by an institute in which the courses were taught entirely in English for most of the course, are not required to certify their knowledge of English.



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In this latter case, candidates are required to submit an official language certification from the corresponding academic institute.

Art. 3
(Applications for admission to the call)

Applications to the competition, one for each doctoral course for which you intend to compete, and its related documentation, must be completed, confirmed, and submitted exclusively through the online procedure available at <http://www.phd-admission.polimi.it> by **02 PM (Italian Time C.E.T.) on 30/05/2024**. For each application submitted a non-refundable contribution of € 25.82 is due and it is payable by **30/05/2024** at the latest.

The payment of the contribution can be made through PAGO-PA online system, following the instructions given in the online application procedure, in the following ways:

- a) credit cards (or other forms of payment accepted by the PagoPA platform), which generate an immediate payment
- b) pre-printed payment notices (MAV on the PagoPA platform), which generate a deferred payment.

Failure to pay the contribution by **30/05/2024** will result in the automatic exclusion which will be communicated to the candidate at the e-mail address in the system registry.

After the deadline of 02 PM (Italian Time C.E.T.) on 30/05/2024, it will not be possible to confirm and send the applications to the competition or to access the payment procedure.

After confirmation of their applications, by the closing date and using the same procedure, applicants express their intention to apply for one or more thematic scholarships.

The deadlines are to be considered final.

Until its confirmation, the application can be saved and changed by the applicant as many times as needed. Once confirmed, it can no longer be modified.

Applicants are required to check that the procedure is duly completed. Complaints relating to any information/bank system failures will not be accepted.

In their applications for admission, applicants shall declare under their own responsibility:

- their personal data, including date and place of birth, residence and address chosen for the call purposes (specifying their postal code, phone number, email address). Applicants also undertake to promptly notify of any changes in their residence and/or address where communications are to be sent;
 - nationality;
 - academic qualifications held and required for admission to the PhD programme, awarded by an Italian University, specifying: date of award, corresponding University, official duration of the study programme, final score and corresponding score scale (if any);
- or
- academic qualifications held and required for admission to the PhD programme, awarded by a foreign University, specifying: date of award, corresponding University, official duration of the study programme, final score associated with the qualifications awarded and corresponding score scale, and all the documents necessary for the recognition and evaluation of the suitability of such qualifications, for the sole purpose of being admitted to the PhD programme;
- or
- intention to obtain the qualifications by 11/09/2024, specifying the University which will award the qualifications and the official duration of the study programme;
 - certification held proving their knowledge of the English language, as specified in art. 2 of this call;
- or
- intention to produce, by and no later than the enrolment closing date, the certification proving their knowledge of English language, as specified in art. 2 of this call;



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- **the PhD programme for which they wish to compete;** at this point, candidates are required to specify the research areas (max 2, in order of preference) for which they intend to compete among those proposed in the specific PhD programme for which they are applying;
- contact details of up to 2 referees, together with their email address, phone number;
- **whether they intend to compete for any type of scholarship (either general or thematic);** this option is binding for the allocation, of the scholarships, if awarded, and can be opted for, up until the application has been confirmed; this option is also binding for thematic scholarships, if there are any, referred to in the point below;
- **whether they intend to compete for one or more thematic scholarships among those announced by the PhD programme.** This option may be chosen after confirming one's application and in any event by **02.00 PM** on **30/05/2024** via the on-line procedure <http://www.phd-admission.polimi.it>
- that they undertake to attend the PhD programme in accordance with the provisions set out in this call, in the [Politecnico di Milano PhD Regulations](#), and the conditions set out by the Programme Faculty Board;
- to be aware that the originality of his/her publications and works provided for this application or during the doctoral career at the Politecnico di Milano can be checked by anti-plagiarism software;
- that they consent to verification of their qualifications being carried out at the universities of origin, and commit to giving any authorization that may be necessary to carry out those checks

Applicants shall attach to their application:

- a certificate proving his/her knowledge of English, as specified in art. 2 of this call;
- a PDF report illustrating the development of a possible PhD research project (minimum 4,000, maximum 8,000 characters, excluding bibliographies and pictures), prepared using the RTF form available in the procedure. If the aimed PhD programme includes research areas, applicants must attach a report for each – maximum two – research area for which they intend to compete. Please note that the research project illustrated in the report prepared for the competition is not necessarily the project that will be carried out during the PhD programme. If admitted, the research project that will in fact be carried out will be subsequently defined and approved by the Programme Faculty Board after the start of the PhD programme. The dissertation, complete with bibliographies and pictures must be contained in a single pdf file maximum size 3 MB; also including the reasons that led to wanting to carry out research at the Polytechnic of Milan
- a *curriculum vitae* in PDF format, using the template provided in RTF in the procedure. Applicants must supply the information requested in the CV template. In particular, the CV should include the list of the applicant's publications and a recent photo of the candidate. Furthermore, it can also contain no more than two attached documents (for instance, a portfolio and a publication, or 2 publications) chosen among those that are deemed most significant to illustrate the applicant's potential. The curriculum and its attachments, must be provided in a single file that shall not exceed 10 MB;
- PDF documents relating to all their University qualifications (awarded, or to be awarded), with the diploma in the original language, if available, the list of exams taken and the corresponding scores along with translations in Italian or English;
- a duly signed copy of their identification document; non-EU applicants must attach a copy of their passport, or of another identification document together with its translation in Italian or English;
- a copy of their Italian tax code. This request is mandatory for Italian applicants, while foreign applicants will be required to obtain and submit an Italian tax code to complete the enrolment.



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A non-refundable contribution of € 25.82 is required for each application, to be paid by **30/05/2024**. It may be paid through PAGO PA, following the instructions in the on-line application procedure for submission.

All documents submitted may be in Italian or English. Documents written in other languages must be translated into Italian or English by the university of origin, or by an authorized institution.

The use of writing tools based on artificial intelligence (e.g. ChatGPT) must always be explicitly declared and must be limited to the correction of texts written entirely by the candidate. The use of such tools to generate original texts in whole or in part is not permitted. The Selection Committee reserves the right to use all the tools available to verify that the documents submitted by the candidate have not been generated in whole or in part by artificial intelligence

The Administration can verify, at any time during the procedure or during the applicant's PhD career, the truthfulness of the declarations submitted, and can ask for the original copies of documents. It may thus exclude applicants from the selection at any time, with a valid reason, if they lack the requirements set out in this call.

Art. 4 (Selection Boards)

The Selection Committees for admission to the PhD programmes referred to in this call are set up in accordance with the PhD Regulations of this University.

Art. 5 (Assessment Criteria)

The applicants duly registered for the call will be admitted to the PhD programme after the Selection Committee's assessment of their eligibility, and subject to the number of positions available.

The applicant's eligibility for admission to the selected PhD programme is based on the assessment of their quality and their aptitude for scientific research in the research areas of the PhD programme for which they are competing and their motivations expressed. The evaluation will be carried out on the basis of the curriculum of studies and documents illustrating the development of possible research relevant to the areas of the doctorate course for which they are competing, sent at the same time as the application is submitted. As previously stated the research project submitted as part of the application does not necessarily represent the project that will be carried out during the PhD programme. If admitted, the research project that will actually be carried out will be subsequently defined and approved by the Programme Faculty Board after the start of the PhD programme, as laid down in the [PhD Regulations of Politecnico di Milano](#).

The Selection Committee has 100 points to assess each application. If the PhD programme is divided into areas, the Selection Committee evaluates separately each area chosen by each applicant, in accordance with a maximum score of 100 points per area.

The score is divided up as follows:

- curriculum: up to 45 points;
- report illustrating the development of a possible research project in the areas of the PhD programme for which the applicant is competing: up to 55 points.

Applicants are considered eligible if their application obtains a total score that is not below 60 points out of 100.

The Selection Committee may contact applicants for an interview to further discuss the material submitted.

Candidates that applied for one or more thematic scholarships will be assessed separately for each selected thematic scholarship provided they obtained a score of at least 60/100 in the general ranking.

The Committee shall assess the candidates interested in each thematic scholarship by assigning up to 100 points, distributed as above. The minimum score for being eligible for a thematic scholarship is 60/100.

Art. 6 (Ranking lists)



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At the end of the assessments, each Selection Committee draws up a ranking list, according to the criteria set out in the previous article

- for each programme or for each area, if areas are available.
- a ranking list for each thematic scholarship.

Places, with or without scholarships, will be allocated by the Selection Committee according to the order defined by the related ranking lists.

Candidates who rank in positions that make them eligible for more than one scholarship, will be assigned one of these possible scholarships by the Selection Committee.

Candidates who do not accept the scholarships assigned by the committee, cannot benefit from other scholarships on the same PhD programme.

In the case of having the same score, gender balance is taken into account (the gender that prevails is the less represented one among candidates placed in higher positions of the same ranking list). Where there are further equal results, the younger candidate will prevail.

The rankings will be published starting from **19/07/2024** on the web page "Rankings and replacements" <https://www.dottorato.polimi.it/index.php?id=430&L=1>

No personal communications will be sent: the publication of the Ranking list is valid as official communication to the interested parties.

Art. 7 (Enrolment)

All candidates who are high enough on the ranking list to be eligible for admission as described in Article 6 must enrol otherwise, they will lose their right to be admitted to the PhD programme, from 10.00 AM on the 20/07/2024 to 02.00 PM (Italian time C.E.T.) on the 11/09/2024, provided that they obtain the academic qualification with the required score and the English level stated in Article 2 by the 11/09/2024.

Enrolment is to be carried out through the specific application, available at the website www.phd-admission.polimi.it

The start of the PhD course activities is scheduled for the 12/09/2024.

Payment of the first installment of the scholarship will be paid in October at the same time as the second installment.

From November 2024, the payments will be made approximately at the end of each month.

After the end of the enrolment period, where there are vacancies as a result of refusals, each PhD programme may offer the enrolment to eligible candidates following the ranking order. In such cases, the enrolment procedure will be directly communicated to the interested candidates. These candidates must however have already been awarded the required academic qualification and the English language certification by the 11/09/2024.

Applicants who have foreign qualifications must submit, before the beginning of the course, the original documents listed below (this applies only to the academic qualification required for admission to the PhD programme), in accordance with the instructions which will be given by the PhD School Administration offices

Final qualification (diploma) in the original language and relative official translation in Italian or English

Final certificate with exams taken and relative translation in Italian or English

Declaration of equivalence issued by the diplomatic representation of the Country to which the national education system of the awarded qualification refers

or

certificate issued by ENIC-NARIC centers (Statement of verification)



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or
Diploma Supplement in English

For PhD candidates with a scholarship, the regional fee, the stamp duties and insurance costs will be withheld each year, from the first monthly grant. This amount is established on a yearly basis. For the academic year 2024-25, this amount is equal to Euro 167.04, unless there are changes in national and regional legislation.

PhD students without a scholarship, for the first enrolment and for enrolment in the following years, will be required to pay the amount mentioned above.

The method of award of a PhD is illustrated in the [Politecnico di Milano PhD Regulations](#).

Art. 8
(Reference to the law)

Any issues that are not expressly covered by this call, shall be regulated by the provisions set out in Law n. 398 dated 30.11.1989, Law n. 240 dated 30.12.2010 and in the MIUR Decree "Regulations containing the procedures for accreditation of PhD venues and programmes and criteria for the establishment of PhD programmes by accredited bodies" No. 226 dated 14/12/2021, in the [Politecnico di Milano PhD Regulations](#), in the Regulations regarding University industrial property, and in other applicable provisions.

In accordance with Article 5 of the Law n. 241 dated 7 August 1990, as amended and supplemented, the Manager of the Procedure for this call is Dr. Fabrizio Buttò.

For further information, the interested persons can contact the PhD Students Registrar's Office via e-mail at the address internationalphd@polimi.it

This call will be published on the website of the Politecnico di Milano and on Euraxess.

It may also be consulted on the web page "40th cycle of PhD programmes - 2024/2025" <https://www.dottorato.polimi.it/index.php?id=420&L=1>

Any changes or additions to the call will be published on the same web page.

Art. 9
(Personal data protection)

Pursuant to EU Regulation no. 679/2016, the candidates are informed that the processing of personal data they have supplied to the Politecnico di Milano is aimed solely at the completion of the selection and assignment of the position and/or scholarship of study indicated by this Call. The processing of data, for the recipient only, will be finalized also to the granting of the scholarship itself and for the purposes related to its management. The treatment will be carried out by the persons in charge of the procedure, including by the Politecnico di Milano Awarding Committee, with the use of computerized procedures, in the ways and within the limits necessary to pursue the aforementioned purposes, even in the event of any communication to third parties.

The provision of such data is necessary to verify the requirements for participation and the possession of securities and their failure to indicate may preclude such verification. Further data may be requested for the sole purpose of granting the grant. The data will be stored, in accordance with the provisions of current legislation, for a period not exceeding the necessary time to achieve the purposes for which they are processed. The candidates have all the rights as referred on the third chapter of EU Regulation no. 679/2016, in particular, the right to access their personal data, to request correction, updating and cancellation, if incomplete, mistaken or collected in violation of the law, and to oppose to their processing for legitimate reasons.

Further information is available on the University website at www.polimi.it/privacy

Complaints can be filed with a specific request to the Responsible for the protection of personal data, point of contact: privacy@polimi.it .

Data controller of the Politecnico di Milano is the General Manager delegated by the Rector pro-tempore - contact: dirgen@polimi.it .

THE RECTOR
Prof. Donatella Sciuto



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Attachment 1 - MINIMUM AVERAGE SCORE IN EXAMS FOR QUALIFICATIONS OBTAINED ABROAD

COUNTRY	MINIMUM GPA
BANGLADESH	3,3/4
CHINA	70/100
COLOMBIA	3,5/5
European Countries (ECTS grading system)	C+
EGYPT	65/100
ETHIOPIA	3/4
GHANA	65/100
INDIA	70/100
INDONESIA	2,8/4
IRAN	14,5/20
NIGERIA	3/5
PAKISTAN	3,3/4,0
SERBIA	7,5/10
TURKEY	3/4
VIETNAM	7/10

These values are the minimum values accepted, except as otherwise indicated in the Table.
Other Countries not included in the Table or scoring systems that are different from those indicated in the Table: The Selection Committee will assess the qualifications submitted by the candidate.