



UNIVERSITÀ
DEGLI STUDI
DI MILANO



Call for applications for additional PhD scholarships covering innovation and green topics pursuant to Ministerial Decree no. 1061 of 10 August 2021 - A. Y. 2021/2022, PhD cycle XXXVII.

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CALL FOR APPLICATIONS FOR ADDITIONAL PHD SCHOLARSHIPS COVERING INNOVATION AND GREEN TOPICS PURSUANT TO MINISTERIAL DECREE NO. 1061 OF 10 AUGUST 2021 - A. Y. 2021/2022, PHD CYCLE XXXVII

THE RECTOR

- Pursuant to Italian Ministerial Decree No. 270 dated 22 October 2004, “Amendments to Regulation No. 509 containing rules governing the educational autonomy of Universities, passed by a Decree of the Ministry for Universities and Scientific and Technological Research on 3 November 1999”;
- Pursuant to Article 4 of Italian Law No. 210 dated 3 July 1998, as amended by art. 19, paragraph 1, of Italian Law No. 240 dated 30 December 2010;
- Pursuant to Italian Regional Law No. 33 dated 13 December 2004, “Rules governing Regional measures to ensure the right to study at university”, which makes provisions for services in favour of students enrolled in doctoral programmes;
- Pursuant to Italian Ministerial Decree No. 45 dated 8 February 2013, “Regulation governing the accreditation of doctoral programmes and campuses, as well as the criteria for the institution of doctoral programmes by accredited bodies”;
- Pursuant to the Statute of the University of Milan, issued by Rector’s decree of 15 March 2012, as amended;
- Pursuant to the University Regulations regarding research doctorates issued by Rector’s decree of 5 June 2015, as amended;
- Pursuant to Ministerial Decrees No. 555 of 28 August 2020, No. 808 of 28 November 2018 and No. 917 of 15 October 2019, whereby the Ministry of Education, Universities and Research (MIUR), pursuant to Ministerial Decree 45/2013, grants five-year accreditation to the doctoral research programmes proposed by the University of Milan, subject to compliance with the prescribed requirements;
- Pursuant to the note of the Ministry of University and Research (MUR) No. 7403 of 16 March 2021;
- Pursuant to the calls for applications to the PhD programmes of the University of Milan issued with Rector’s decree No. 0019798/21 of 27 May 2021, Rector’s decree No. 0019800/21 of 27 May 2021, Rector’s decree No. 2819/2021 of 29 June 2021 and Rector’s decree No. 3170/2021 of 19 July 2021;
- Pursuant to Ministerial Decree No. 1061 of 10 August 2021, containing provisions for the allocation of funds under the Italian national programme *Programma Operativo Nazionale (PON) “Ricerca e Innovazione” 2014 - 2020*;

- Pursuant to the resolutions adopted by the Academic Senate and the Board of Directors in the meetings of 14 September 2021 and 6 October 2021, respectively;

HEREBY DECREES

Art. 1 - Purpose and General Rules

Pursuant to Ministerial Decree No. 1061 of 10 August 2021, *Programma Operativo Nazionale (PON) "Ricerca e Innovazione" 2014 - 2020* - Action IV.4 "Doctorates and research contracts on innovation topics" and Action IV.5 "Doctorates on green topics", the University of Milan launches a public competition, based on qualifications and exams, for:

- **No. 10 additional PhD scholarships covering innovation topics (Action IV.4)**. The purpose of this measure is to fund additional PhD scholarships covering innovation topics, namely for research on innovation, enabling technologies and the broader digital theme, including initiatives to enhance human capital in the field of research and innovation.
- **No. 97 additional PhD scholarships covering green topics (Action IV.5)**. The purpose of this measure is to fund additional PhD scholarships covering ecosystem conservation, biodiversity, the reduction of climate change impact, sustainable development.

The grants are awarded within the framework of the following PhD programmes for Cycle XXXVII - A. Y. 2021/2022:

- Agricoltura, ambiente e bioenergia - Agriculture, environment and bioenergy
- Biologia molecolare e cellulare - Molecular and cellular biology
- Chimica - Chemistry
- Chimica industriale - Industrial chemistry
- Diritto comparato, privato, processuale civile e dell'impresa - Comparative, private and civil procedural law
- Diritto pubblico, internazionale ed europeo - Public, international and European Union law
- Filosofia e scienze dell'uomo - Philosophy and human sciences
- Fisica, astrofisica e fisica applicata - Physics, astrophysics and applied physics
- Informatica - Computer science
- International and public law, ethics and economics for sustainable development - LEES
- Medicina sperimentale - Experimental medicine
- Medicina traslazionale - Translational Medicine
- Mente, cervello & ragionamento - Mind, brain and reasoning
- Ricerca clinica - Clinical research
- Scienze ambientali - Environmental sciences
- Scienze del patrimonio letterario, artistico e ambientale - Literature, arts and environmental heritage

- Scienze della nutrizione - Nutritional sciences
- Scienze della Terra - Earth sciences
- Scienze farmaceutiche - Pharmaceutical sciences
- Scienze farmacologiche biomolecolari, sperimentali e cliniche - Pharmacological biomolecular sciences, experimental and clinical
- Scienze giuridiche “Cesare Beccaria” - Legal studies “Cesare Beccaria”
- Scienze matematiche - Mathematical sciences
- Scienze per i sistemi alimentari - Food systems
- Scienze per la sanità pubblica - Public health sciences
- Scienze veterinarie e dell'allevamento - Veterinary and animal science
- Sociologia e metodologia della ricerca sociale - Sociology and methodology of social research
- Sociologia economica e studi del lavoro - Economic sociology and labour studies
- Studi linguistici, letterari e interculturali in ambito europeo ed extra-europeo - Linguistic, literary and intercultural studies in european and extra-european perspectives
- Studi storici - Historical studies
- Studi sulla criminalità organizzata - Studies on organized crime

The awarding of the scholarships hereunder is subject to co-financing of the project proposals by the Ministry as required by art. 3 paragraph 5 of Ministerial Decree no. 1061 of 10 August 2021.

These are topic-specific scholarships. Therefore, recipients are required to develop a specific line of research. **Moreover, they are required to carry out a six-to- twelve-month period of study and research in a company that will collaborate to the research project.**

Activities will start on 1 January 2022.

The tables attached hereto, and forming an integral part hereof, show the number of scholarships, the research lines for each PhD programme, with the indication of the supervisor and the company where the candidate will undertake a six-to-twelve-month period of study and research, admission requirements, any request for reference letters and the timeline for admission exams.

Art. 2 - Admission Requirements

In order to apply for a place in any of the above doctoral research programmes, students must hold a second-cycle degree (*Laurea Magistrale*) or equivalent qualification, or an equivalent qualification by study level (*Master's Degree*) from an international University, as per the attached tables.

The suitability of a foreign academic qualification in terms of content is appraised by the Examining Board of each doctoral programme, in compliance with the regulations in force in Italy and in the country in which the academic qualification was issued, and the international treaties or agreements pertaining to the recognition of qualifications for the continuation of studies.

Students enrolled on a PhD programme at the University of Milan cannot participate in the selection.

In addition, holders of a PhD title obtained in Italy cannot participate in the selection.

Candidates can apply for admission to more than one PhD programme, it being understood that they may enrol on one programme only, if they rank high enough in more than one ranking.

Art. 3 - Application for Admission

Applications must be submitted no later than **2 pm on 8 November 2021** as specified below:

1. Register onto the University portal. This operation is not required of those already registered on the portal or holding University credentials;
2. Login and apply for admission to the programme using the [PhD admission service](#)
3. Pay the non-refundable € 50.00 fee by the deadline for admissions.

During the procedure applicants are required to **upload** the following **documents** as .pdf, .rtf or .jpg files, all under 10 MB:

- A. Diploma Supplement or Bachelor's/Master's diploma (or equivalent qualification obtained in Italy or abroad), with transcript of records. The documents must be in Italian, English, French, German or Spanish. This document is not required of graduates of the University of Milan since it will be acquired internally;
- B. CV, describing any professional experience and other qualifications held by the applicant;
- C. Research project (using [Form 1](#) attached hereto). The research project must cover a specific line of research as shown in the attached tables for each PhD programme with the respective reference code. It is possible to submit more research projects for the same PhD programme;
- D. Copy of passport (foreign applicants only);
- E. Any publications;
- F. [Annex A](#).

Non-EU candidates residing abroad are also required to submit an online application for pre-enrolment through [Universitaly](#), in order to obtain a student visa.

The online application cannot be modified or supplemented with further documentation once it has been confirmed.

It is possible to apply to more than one PhD programme as long as you enrol on each of them as described above, including the payment of the € 50.00 non-refundable fee per application.

Self-drafted affidavits are accepted as and where provided for by the laws in force.

Failure to submit any one of the above documents (A to C) will lead to exclusion from the competition.

Qualifications and scientific publications may be submitted in Italian or English.

In addition to the above documentation, on request by the Academic Board and as specified in the programme table, applicants must provide one or more reference letters from qualified persons

who have had a role in their education. The letters, to be drafted according to Form 2 attached hereto, shall be e-mailed as .pdf files directly by the referees to the address noted in the programme sheet by the application deadline. In any case, the candidate is free to provide letters of reference to be drawn up as specified above. Reference letters are considered part of the candidate's CV and no point score is assigned to them.

Art. 4 - Candidates with Disabilities

In order to ensure equal treatment of candidates, those holding a certificate of invalidity and/or of disability pursuant to Law 104/1992 may apply for accommodations to the COSP Disability Office (ausili.ammissioni@unimi.it) attaching the certificate issued by the competent public health office. Candidates holding outdated certificates are required to apply for an updated certificate, to be submitted after enrolment for the purposes of using disability accommodations as offered by the study programme.

Art. 5 - Candidates with SLD

In order to ensure equal treatment of candidates, those holding a Specific Learning Disorder (SLD) certificate issued by the National Health Service, a private affiliated centre or a private specialist (with a compliance certificate from the competent health authority) pursuant to Law 170/2010, may apply for accommodations to the COSP SLD Office (ausili.ammissioni@unimi.it) attaching the certificate. If the SLD was diagnosed in childhood, and the certificate is over three years old, students should apply for an updated certificate, to be submitted after enrolment for the purposes of using SLD accommodations as offered by the study programme.

Art. 6 - Admission Exam

Admission to doctoral programmes is through a public selection process involving the evaluation of qualifications and exams for the comparative assessment of candidates. The selection process will be carried out by Examining Boards set up and appointed in compliance with current regulations.

The selection process aims to ascertain the qualifications, abilities and aptitudes of candidates for scientific research and their personal motivations. It is based on the **assessment of the candidate's CV**, a **research project**, which may be inspired by the second-cycle degree thesis work, and an **online interview**. The research project, which should be drawn up using a standard model (Form 1), is only for selection purposes and does not limit doctoral thesis options in the case of admission. Each eligible candidate will be assigned their line of research for the PhD programme by the selection board.

The CV and research project are assessed before the interview. The assessment outcome will be available on the University portal, in the Enrolment section of the programme overview at: <https://www.unimi.it/it/corsi/corsi-post-laurea/corsi-di-dottorato-phd>.

The CV is evaluated based the candidate's university studies, publications, professional experience and other qualifications, if any. A maximum of 20 points can be attributed to the CV; in assigning this score, the Boards will take into account the statistical distribution of exam grades in the respective study programme, as well as the conditions and the period over which each candidate earned their qualifications.

A maximum score of 10 points can be assigned to the research project.

Candidates who obtain a score of at least 50% of the maximum points available for the CV and the research project can be called for interview.

The interview takes place in a public session, according to the calendar that will be posted to the University portal in the days following the assessment of qualifications. The aim is to assess the candidate's knowledge in the field of the doctorate. The interview includes a seminar-style presentation of the research project, followed by general discussion to verify the candidate's expertise, scientific qualities and motivations. A maximum of 70 points may be assigned to the interview.

The interview is conducted in the language set out in the doctoral programme table. However, candidates may ask to be interviewed in English. English language proficiency will be, anyway, ascertained during the interview.

To sit for the examination, candidates must show one of the following identity documents: Identity card; Passport; Driving license (Italian).

The outcome will be notified at the end of interviews.

At the end of the examinations, the Board draws up a general ranking list according to the total score assigned to the candidates for their CV, research project and interview. Candidates must obtain a minimum score of 70/100 to pass the admission exam.

The ranking will be posted to the [pass-list](#) web page in the days following the interviews.

The Boards are required to complete their work by **16 November 2021**.

Art. 7 - Admission to the Programme

Applicants are admitted to the programme according to their position in the ranking list until the number of places available has been filled. Where applicants achieve the same score, preference will be given to the younger applicant, without prejudice to the right of priority for doctoral grants set forth in art. 9 hereof.

The [ranking list posted to the University website](#) is equivalent to notice, and eligible applicants will not receive any written notice.

Applicants admitted to the programme lose their entitlement if they fail to enrol by the deadline. Their place is then given to the next applicant in the ranking list. Takeover applicants will be contacted personally by email by the *Doctoral Student Office (Segreteria Dottorati)*, which will provide instructions and deadlines for enrolment.

Any candidates ranking high enough for admission to more than one PhD programme are required to choose one programme only.

Art. 8 - Enrolment

Those admitted to PhD programmes are required to enrol from **18 to 22 November 2021**, by 2.00 pm, using the Sifa Online Service (Enrolment in PhD programmes) at: <https://studente.unimi.it/immatricolazioni/dottorato/checkLogin.asp>.

Login to the service using the same credentials as for the admission application, enter all the required data and upload your photo and ID in one of the following formats: .jpg, .png, .bmp (max. 2 MB).

Fill in, sign and upload the enrolment form, whereby you declare that you accept the scholarship and:

- a) Formally undertake to carry out the required research periods at the company and possibly abroad, failing which you will lose the grant;
- b) Are aware that any changes to the project goals and expected outcomes (if not previously authorized by the MUR) will result in the grant being revoked, with the obligation to refund any amounts already paid;
- c) Are aware that any PhD candidates who are not admitted to the next programme year, based on a negative assessment by the Academic Board, will be required to refund any amounts already paid for the current year; likewise, candidates who fail to obtain their degree will be required to refund any amounts already paid for the last programme year;
- d) Are currently not a recipient of any other grants whatsoever, and undertake not to receive any other grants whatsoever for the entire duration of the additional scholarship, unless in compliance with applicable national regulations.

Candidates are admitted to the programme conditionally, and may be excluded from the programme if they are found not to meet the requirements.

Students enrolled on PhD programmes are required to pay the regional tax for education of € 140.00 and a stamp duty of € 16.00.

Applicants with an invalidity equal to or greater than 66% and/or with a disability pursuant to Law 104/92 may apply for a regional tax waiver. These students are only required to pay a €16.00 stamp duty.

Candidates holding a qualification obtained abroad are required to upload the following documents when completing the online enrolment process:

- Original diploma (*Master of Science* or equivalent) with a translation into Italian, French, English, German or Spanish;
- Italian tax ID code.

To complete enrolment, the following documents must be sent to the International Students Office through the InformaStudenti Service (for info: <https://www.unimi.it/it/studiare/servizi-gli-studenti/segreteria-informastudenti>) by **15 December**:

- Statement of Validity (*Dichiarazione di Valore*) issued by the Italian Embassy or Diploma Supplement or certificate of comparability issued by CIMEA or other declaration of validity issued by ENIC_NARIC centres;

- Student visa (only for non-EU citizens residing abroad);
- Valid residence permit (only for non-EU citizens).

The validity of foreign qualifications is verified upon submission of the official documents. Until then, candidates are admitted to the programme conditionally, and may drop off the ranking if they are found not to meet the requirements.

Art. 9 - Scholarships

The scholarship is granted, pursuant to existing regulations, in line with the ranking list and consists of an annual gross amount of € 16,350.00. The amount of the scholarship is exempt from IRPEF income tax in accordance with art. 4 of Italian Law no. 476 of 13 August 1984, but subject to social security contributions pursuant to art. 2, paragraph 26 et seq., of Italian Law no. 335 of 8 August 1995, as amended.

In the event of a tie, the scholarships are awarded based on the candidates' financial position, as expressed by the indicator of equivalent financial position (ISEE).

A €156.00 fee covering the regional study tax and stamp duty will be detracted from the scholarship award.

Scholarships have a yearly duration and are renewed if the Academic Board promotes the doctoral student to the following year based on yearly performance.

Starting from the second year, in addition to the scholarship and depending on the University's budgeted financial resources, each doctoral student is given an amount for research in Italy and abroad suited to the type of programme and in any case not less than 10% of the amount of the scholarship itself.

The scholarship is revoked if the candidate is not admitted to the next programme year, does not obtain his/her degree, or does not comply with Ministerial Decree 1061/2021 and the related *PON "Ricerca e innovazione" 2014-2020* guidelines. In some cases, the candidate will be required to repay any amounts already disbursed.

The scholarship cannot be cumulated with other grants or funding, with the exception of those granted by national or international institutions for training and research abroad.

Art. 10 - Obligations of Doctoral Students

The doctoral research programmes entail 1,500 hours of training-education and research activities per year. The rights and duties of doctoral students are governed by art. 22 of the University Regulations on Doctoral Research, by Ministerial Decree 1061 of 10 August 2021 and the related *PON "Ricerca e innovazione" 2014-2020* guidelines.

Art. 11 - Awarding of Qualification

The qualification of Doctor of Philosophy, abbreviated as "Dott. Ric." or "Ph.D.", is awarded under the conditions set forth in art. 23 of the University Regulations on Doctoral Research.

Art. 12 - Personal Data Processing

Pursuant to Legislative Decree no. 196 of 30 June 2003, as amended by Legislative Decree no. 101 of 10 August 2018, as well as EU Regulation no. 679/2016 (General Data Protection Regulation, GDPR), the University undertakes to safeguard the confidential nature of the information provided by applicants. All data provided is processed solely for purposes related to the competition and possibly for managing the applicant's relationship with the University, in compliance with current legislation.

Art. 13 - Relevant Regulations

For any matter on which this Call for Applications is silent, applicable laws and regulations on research doctorates, as well as Ministerial Decree 1061 of 10 August 2021 and the related *PON "Ricerca e innovazione" 2014-2020* guidelines, shall provide gap-filling terms.

Art. 14 - Procedure Manager and Contact Details

Pursuant to the Law no. 241 of 7 August 1990, the person in charge of the procedure referred to herein is Ms. Monica Delù (Head of Post-Graduate Programme Admissions and Communications).

For further information please use the [InformaStudenti](#) service - Postgraduate/Doctoral research students.

Milan, 14 October 2021

THE RECTOR

Signed Elio Franzini

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