

**CALL FOR APPLICATION FOR ADMISSION TO PHD COURSES
(Cycle XLI – AA.AA. 2025/2028)**

Reopening of terms

**Positions with scholarship of innovative Ph.D. programme with industrial characterization
P.R. Marche FSE+ 2021/2027 - Asse 4 - OS 4°**

Art. 1

Call for applications

1. The deadline for participation in the call for applications for admission to PhD programmes (cycle XLI – academic years 2025/2028) – Positions with scholarship of innovative Ph.D. programme with industrial characterization - P.R. Marche FSE+ 2021/2027 - Asse 4 - OS 4° has been reopened, regarding the following position:

PhD Course	Position with scholarship
QUANTITATIVE METHODS IN ECONOMICS	1

2. The course will begin on 1st November 2025 and end on 31st October 2028.

3. The University of Macerata complies with the [European Charter for Researchers and Code of Conduct for the Recruitment of Researchers](#), disponibili sul sito di Ateneo.

4. According to [M.D. no. 226 of December 14th, 2021](#), the activation of PhD courses is subject to accreditation by the MUR.

5. Details and obligations pertaining to the positions available are set out in the individual PhD course descriptions, published on the webpage [Bando Dottorati Innovativi](#), which form an integral part of this call.

6. Any changes, updates or additions to this call for applications will be made known, **exclusively**, with the publication on the webpage [Bando Dottorati Innovativi](#).

Art. 2

Admission requirements

1. Candidates eligible to participate in the present call for applications are those who are inactive, unoccupied or unemployed, in accordance to the relevant regulations in force and to the [L.D. no.150 of September 14th, 2015](#), residents or domiciled in the Marche Region, who have not yet turned 36 years of age.

2. The requirements mentioned in par. 1 of this article must be fulfilled at the time of submitting the application.

3. Eligible candidates to the present call for applications are graduates holding a Specialist or Master's Degree or Master's Degree (single-cycle) or degree obtained under the laws in force before [Ministerial Decree No. 509 of November 3rd, 1999](#), or a second-level academic qualification awarded by institutions belonging to the AFAM sector (Higher Artistic and Musical Education), or an equivalent non-Italian academic qualification (Master's Degree) obtained from a foreign University.

4. The eligibility of foreign degrees is verified by the Admission Committees **solely** for the purpose of admission to PhD courses, in compliance with the legislation in force in Italy and in the country where the qualification was awarded, as well as with international treaties or agreements on the recognition of qualifications for the pursuit of studies.

5. All candidates will be provisionally admitted to the selection process and will be excluded from the doctorate if, upon verification, it turns out that their qualifications do not meet the requirements for admission to third-level courses.

6. Those who obtain the required qualification, mentioned in paragraph 3, by the date of enrolment in the PhD course, set forth in Art. 6 par. 1 below, may also participate in the competition for admission. In this case, admission to the competition is subject to a reservation and the possible enrolment is regulated by the provisions of the following Art. 6.

Art. 3

Application for Participation

1. Applications shall be submitted, either in Italian or in English language, **solely** online via the following link <https://pica.cineca.it/unimc/dott-2025-rm-1/> , enclosing a copy of a valid identity document or copy of the passport clearly showing its expiry date and **paying the non-refundable application fee of €15.00, within the telematic procedure, no later than 11.59 p.m. (Italian time) of October 17th, 2025.**

2. Applications submitted in a different way will not be considered.

3. Failure to submit one or more of the following items within the deadline will result in exclusion from the selection process:

- application form, filled out in accordance with Articles 46 and 47 of [Presidential Decree 445 of December 28th, 2000](#);
- self-certification of Italian degree, referring to art. 2 par. 3;
- declaration and documentation of foreign degree, referring to art. 2 par. 3 and to par. 8 of this article;
- identity document (ID card or passport);
- [substitute declaration](#) pursuant to par. 13 below;
- payment of the non-refundable application fee.

4. **Application fee will not be reimbursed under any circumstances.**

5. Candidates are not allowed to submit multiple applications for the same PhD course. In the event of multiple applications, only the last submission in chronological order will be considered valid.

6. Separate registrations are required for candidates wishing to apply for different PhD courses. They should send separate applications, enclosing all the necessary documentation and paying the non-refundable fee for each application.

7. When filling out the application form, it is necessary to specify whether the interview will be conducted in person or via videoconference.

8. Candidates who obtained their degree in Italy must provide a self-certification with the list of the examinations undertaken, which is required for the assessment of prior academic studies.

9. Candidates whose degree was obtained abroad must produce copies of Bachelor's degree and Master's degree diplomas, and copies of certifications of examinations taken, with the translations in Italian or English, **for each of the above degrees.**

10. Publications and any other required documents must be submitted exclusively in electronic .pdf format and attached **solely** to the online application.

11. Notwithstanding the provision of Art. 2 par. 6 above concerning the degrees necessary for access, the other qualifications submitted must be obtained before the deadline indicated in this call.

12. When completing the online application procedure, candidates must select one of the topics, as indicated in the individual PhD course descriptions, in order to write a research project hypothesis (max 13,000 characters including spaces).

13. The requirements specified in Article 2, par. 1 must be certified with the [substitute declaration](#), pursuant to Articles 46 and 47 of [Presidential Decree No. 445 of 28/12/2000](#), which must be attached to the application form for participation in the competition.

14. No amendments or additions may be made to the application after it has been submitted. If a previously submitted application needs to be amended, a new application needs to be completed and sent, with all the necessary elements, paying another non - refundable fee. This application will replace the previously submitted one.

15. The validity of applications will be assessed by the University administration offices, after the deadline established in paragraph 1 of the present Article. The University reserves the right to order checks on the truthfulness of the statements made in the application. Candidates who made false declarations will be subject to prosecution in accordance to the current legislation. Furthermore, such actions will result in immediate exclusion from the selection process and, if assessed after enrolment, from the PhD course.

16. Further communications concerning this call will be published on the webpage [Bando Dottorati Innovativi](#).

17. The University does not assume any responsibility for any technical problems, internet issues or service interruptions. If a candidate provides an incorrect email address, the University will not be held liable for any failure to communicate with them. Furthermore, the University will not be held responsible for any problems or delays caused by third parties, unexpected events, or unforeseeable circumstances.

Art. 4

Admission Committees

1. The Admission Committee for the scholarship position covered by this call for applications is the same nominated for admission to the Quantitative Methods in Economics course, with Rector's Decree no. 439 of 08/09/2025 - Call for applications for admission to PhD programmes (cycle XLI - academic years 2025/2028) - Positions with scholarships for innovative industrial PhD programmes - Marche Regional Programme FSE+ 2021/27 Axis 4 OS 4° - Admission Committee for the PhD programme in QUANTITATIVE METHODS IN ECONOMICS.

Art. 5

Selection

1. The admission to the PhD courses takes place passing a selection procedure for qualifications and exams, divided into two phases: Preliminary Evaluation and Interview.

2. The **Preliminary Evaluation** shall award a maximum of **30 points**, distributed according to the following criteria:

- a) Congruence of the candidate's previous academic background to the selected PhD course (max 10 points);
- b) Congruence, quality, and originality of the submitted research project hypothesis in relation to the selected research topic (max 10 points);
- c) Suitability of the candidate's scientific profile as demonstrated by the submitted research project hypothesis (max 10 points).

A minimum score of 21 points is required to pass the Preliminary Evaluation.

3. Results of the aforementioned preliminary evaluation will be **exclusively** published on the webpage [Bando Dottorati Innovativi](#). This publication is an official notification for all purposes.

4. Pursuing paragraph 2 of this Article, candidates who have successfully passed the preliminary evaluation are admitted to the **Interview** phase, in order to assess preparation, ability and aptitude for research, skills

and previous experience. Knowledge of the declared foreign language(s) will also be ascertained. A maximum of **70 points** will be awarded during the interview phase.

5. Applicants who are admitted to the Interview will be notified through the publication of the examination schedule **exclusively** on the webpage [Bando Dottorati Innovativi](#). The published schedule is an official notification to the interested parties. Admitted candidates must attend the interview, without prior notice, on the defined date and according to the procedures indicated on the webpage [Bando Dottorati Innovativi](#), bringing a valid ID document.

6. Failure to attend the interview is considered as withdrawal from the selection process.

7. The interviews will be conducted **in the way indicated in the application form**, on the date and location indicated **exclusively** on the webpage [Bando Dottorati Innovativi](#).

8. A **minimum score of 70/100** is required to pass the selection process.

9. The Admission Committee formulate the ranking lists, based on the scores awarded in the two selection phases. In case of equal score, priority will be given to the younger candidate.

10. The selection documents and the ranking list for each PhD course will be approved by Rector's Decree, declaring the successful candidates in the number of places available.

11. The ranking lists will be published **exclusively** on the webpage [Bando Dottorati Innovativi](#). This publication constitutes official notification for all purposes.

12. In the event of no suitable candidates for the topic announced, the position will not be assigned.

13. The acceptance of the position is subject to specific requirements and obligations, as indicated in the annexes and in article 8.

14. The individual evaluation assessments issued by the Admission Committee will be made available to each candidate via the application platform, at the end of the selection process (Art. 3, par. 1), in accordance with the [European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers](#).

Art. 6 **Enrolment in PhD courses**

1. Successful candidate, listed in the ranking lists, **must complete their enrolment by October 30th, 2025, under penalty of disqualification.**

2. There is no possibility to enrol in a Ph.D. course without scholarship.

3. Failure to obtain the required degree within the terms established by par.1, implies non admissibility to the doctoral programme and, as a result, the inability to proceed with the enrolment.

4. In case of successful placement in the rankings for different PhD courses, the successful candidate will have to express their preference for one course only, by enrolling in the chosen course.

5. The selected winner will not receive any further notice regarding the enrolment deadline.

6. In order to complete enrolment in the PhD course **before** the deadline indicated in par. 1, selected applicants are required to:

- a) Complete the enrolment form on the webpage <https://studenti.unimc.it/Home.do>;
- b) Pay the first instalment of the tuition fees and/or contributions ([Piano tasse](#));
- c) Upload in the Attachments Section of the enrolment form:

- [Dichiarazione del percipiente](#);

- ISEE-U 2025 or ISEE declaration for PhD course 2025 (***for the winner who wish to benefit from the reduction of the second instalment of tuition fees***);
- Copy of residence permit or copy of the request receipt for obtaining a residence permit (**non-EU citizen only**);
- Copy of health insurance policy (private or SSN) (**only for non-Italian citizen**);
- Copy of the tax code issued by the Italian Revenue Agency.

7. **The reception of the enrolment form as well as the receipt of payment of the fee and/or contributions** by the University **within the deadline** is necessary in order to confirm the acceptance of the position and enrolment completion. Candidate failing to fulfil these requirements will be subject to exclusion.

8. Fees and/or registration contributions will not be refunded under any circumstances.

9. Candidate who do not register by the deadline indicated in paragraph 1 of this Article will be considered tacitly waived.

10. If a scholarship winner expressly or implicitly waives their entitlement, the scholarship will be awarded to the next successful candidate in the ranking list, if possible.

11. The Administration will notify those concerned of any change in the ranking list and the deadline for taking over via the contact e-mail address indicated in the application.

Art. 7

Further fulfilments for candidates with foreign qualifications

1. Winners with admission qualifications obtained in non-EU countries who have not already provided documents for assessing the authenticity and equivalence of the second-level qualification obtained when submitting the application (e.g. Diploma Supplement, Declaration of Value issued by the Italian diplomatic authorities in the country where the qualification was obtained, certificate of authenticity and comparability issued by centres such as ENIC-NARIC), will have to provide these documents during the enrolment phase (online in the "Career Attachments" section) or within one months of the start date of the course.

2. The University reserves the right to request a declaration of authenticity and equivalence for qualifications obtained in EU countries, as well as the provision of the original documentation.

3. Candidates with foreign qualifications who do not present the required documentation at the time of submission of the application or enrolment process will be provisionally enrolled and will be subsequently excluded from the PhD course if they fail to provide the requested documentation, or if, upon verification, they do not meet the requirements of Art. 2. In such cases, the scholarship payments received must be returned.

Art. 8

Fulfilments and obligations of scholarship recipient

1. The Ph.D. student must:

- a) maintain the requirement of unemployment or non-employment until the end of the scholarship period (31 October 2028);
- b) not take advantage of other funding during the doctoral period;
- c) not be enrolled in other university courses at the same time;
- d) develop the research project over the three-year period, following the instructions of the academic tutors, under penalty of revocation of the scholarship and termination of the career;
- e) **compulsory study and research abroad for a period of between 6 (six) and 18 (eighteen) months;**
- f) **compulsory study and research activities in one or more companies belonging to the project partner cluster;**

- g) write a report on the activities carried out at the end of each year, to be submitted to the University, countersigned by the academic tutor;
- h) write a final report on the activities carried out during the three-year course, to be submitted to the University, countersigned by the academic tutor;
- i) write, over the three-year period, a research thesis on the assigned topic;
- j) comply with the principles of the University Regulations on doctoral studies and, in general, all current legislation on doctoral studies.

Art. 9 Scholarships

1. According to [M.D. no. 247 of February 23rd, 2022](#), the yearly gross amount of the scholarships awarded for attending PhD courses is **€16,243.00** for each recipient.
2. Scholarship recipient **must sign up with INPS Separate Management Registration (Gestione Separata)**, pursuant to Art. 2 par. 26 of the [Law n. 335 of August 8th, 1995](#), and Art. 4 of [Law no. 476 of August 13th, 1984](#).
3. PhD student holding a scholarship, who intend to carry out paid activities during the three-year PhD programme, must be authorised by the Board of Teachers. **The gross annual personal taxable income, compatible with the scholarship, should not exceed the amount of the scholarship indicated in paragraph 1 and must not, in any case, lead to the loss of unemployment or non-employment status, in accordance with current legislation.**
4. **Verification of compliance with the aforementioned limit will be applied from the first tax period following the start date of the course. If the income limit provided is exceeded, the scholarship will be suspended and the unduly received monthly payments must be returned to the University.**
5. The scholarship should not be combined with the payment of research grants or with any other scholarships, except those awarded by national or international institutions that support the integration of training and research activities through fellowships involving stays abroad.
6. The assignment of the scholarship is annual and it is confirmed, after the admission to the following year, by the Board of Teachers.
7. The amount of the scholarship is increased by 50% for carrying out research activities abroad, authorized by the supervisor, for a total period not exceeding twelve months.
8. The scholarship is paid monthly, except for the first two months, which are paid together in December 2025.
9. Payment of the scholarship is subject to the submission of a tax code issued by the Italian Revenue Agency.
10. The fruition of the scholarship excludes the establishment of a subordinate employment relationship with the University.

Art. 10 Grants for research activities

1. In order to pursue research activities in Italy and abroad, **each PhD student** is granted an annual budget of no less than 10% of the scholarship amount, pursuant to Art. 9 par. 4 of [M.D. no. 226 of December 14th, 2021](#).

Art. 11 Tuition fees

1. Fees (Regional Fee for the Right to Higher Education, public liability insurance and stamp duty) and the annual fee (Contributo Onnicomprensivo Annuale, COA) for the attendance of the PhD course are indicated on the webpage [Iscrizioni e tasse](#).
2. The cost of the annual fee (COA) is divided into contribution ranges, depending on the amount of the ISEE-U or PhD ISEE statement, in accordance with the [Teaching and Student regulations](#).
3. A waiver of the annual fee (COA), excluding the premium for civil liability insurance and applicable stamp duty, will be granted to individuals with a certified disability, in accordance with applicable national legislation, with a degree of disability equal to or greater than 66%.
4. Withdrawal after enrolment or disqualification from the course do not entitle the applicant to a refund of the fees and contributions paid.

Art. 12

Personal data processing

1. In accordance with Art. 13 of [2016/679/UE - GDPR](#), notice is hereby given that the University of Macerata is committed to respecting the confidential nature of the information provided by candidates: all personal data will be processed only for the purposes connected to and instrumental to this call, according to existing laws.
2. The Data Controller of personal data is the University of Macerata, with headquarters in Macerata, via Crescimbeni nn. 30-32, in the person of the Rector as Legal Representative. The Data Controller can be contacted at urp@unimc.it or at the PEC address ateneo@pec.unimc.it.
3. The Data Protection Officer, designed pursuant to Article 37 of [2016/679/UE - GDPR](#), operates in conjunction with the Data Controller. The Data Protection Officer can be contacted at the following email address: dpo@unimc.it.
4. All selection process records are public. By [Law no. 241 of August 7th, 1990](#), whoever has a legally relevant interest is entitled to legally exercise the right to access said records within 60 days of their approval.

Art. 13

Responsible for the present administrative procedure

1. Pursuant to [Law no. 241 of August 7th, 1990](#) and subsequent amendments and integrations, the officer in charge of the present administrative procedure is Giovanna Biagetti - Doctoral School and G. Leopardi School, Via A. Gramsci, 38 – 62100 Macerata (e-mail: scuola.dottorato@unimc.it; PEC: ateneo@pec.unimc.it).

Art. 14

Final Provisions

1. PhD students are required to observe the provisions of the [Code of Ethics of the University of Macerata](#).
2. For all issues not provided in this call for application, please refer to the Regulations containing the procedures for accreditation of centres and PhD courses and criteria for the establishment of PhD courses by accredited institutions ([M.D. No. 226 of December 14th, 2021](#)), as well as to the University Regulation on PhD Programmes ([Rector's Decree No. 81 of March 1st, 2023](#)).
3. In case of discrepancies between the two language versions of the present call for application, the Italian language version prevails.

Call for applications for PhD programmes

**Positions with scholarship of innovative PhD programme with industrial characterization
(cycle XLI - aa.yy. 2025/2028)**

Reopening of Terms

PhD programme in QUANTITATIVE METHODS IN ECONOMICS

PhD Coordinator: Prof. Margherita Scoppola

Positions with scholarship	1
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Curriculum/Research topics	Description
MAPPING THE LEVEL OF DIGITALISATION IN THE MARCHE PRODUCTION SYSTEM AND ANALYSING THE IMPACT ON COMPANY PERFORMANCE AND EMPLOYMENT Curriculum QME3 - ADVANCED DATA ANALYSES	The Ph.D. program is developed over three years: • a first year of courses, seminars and exams common to all curricula and aimed at teaching advanced topics in quantitative methods; • a second year of international research and training, spent in international institutions (with an increase of 50% for the research scholarship amount) and by a company of the cluster; • a third year of research activity for completing the Ph.D. thesis. The research will provide a comprehensive and up-to-date overview of the level of digitalization within the production system of the Marche region, analyzing its determinants, areas of application, and effects on business performance and employment. The PhD student will collect, integrate, and analyse microeconomic data, through advanced tools in quantitative analysis, such as Machine Learning techniques applied to economics, the construction of composite indicators, and impact evaluation.
Language requirements	English B2 level or higher. For candidates for whom Italian is not L1: basic knowledge of the Italian language
Obligations for enrollees	Lessons attendance of your own curriculum, and of QME programme's other curricula and lessons attendance of the PhD School (for the number of credits established by the guidelines). Enrollees in the second or third year must spend a minimum six-months period abroad at Universities or Research Centers Study and research activities in one or more companies belonging to the project partner cluster.