PHD PROGRAMME TABLE
Announcements of competition for admission to PhD Courses
42nd cycle, Academic Year 2026/2027

PhD Course: INDUSTRIAL INNOVATION ENGINEERING
Available positions: 15
Evaluation Methods: based on academic and research records

Available positions:

Place n.	Decription	Financial support	Specific research topic
1	Scholarship	University scholarship	-
2	Scholarship	University scholarship	-
3	Scholarship	University scholarship	-
4	Scholarship	University scholarship	-
5	Scholarship	Scholarship funded by Department of Engineering Sciences and Methods	Modeling and control of multi-robot systems
6	Scholarship	Scholarship funded by Department of Engineering Sciences and Methods	Mitigation of carbon dioxide emissions through capture at bioenergy plants and its application in hard-to-decarbonize industrial sectors
7	Scholarship	Scholarship funded by Department of Engineering Sciences and Methods	Modeling and simulation of innovative materials and next-generation semiconductor devices, and the study of their reliability
8	Scholarship	Scholarship funded by Centro Intermech	Technologies to Define a Pathway to a Carbon-Neutral Ceramic Industry
9	Scholarship	Scholarship funded by GranitiFiandre SpA	Design and Integration of Acoustic and Optical Metamaterials in Ceramic Tiles Using Advanced 3D Printing Technologies
10	Scholarship	Scholarship funded by E80 Group SpA	Digital Twins and Simulation-Driven Artificial Intelligence for Industrial and Cyber-Physical Systems
11	Scholarship	Scholarship funded by UFI Hydrogen SpA	Laser-Driven Fabrication of Graphene–Metal Composites for Electrochemical Devices
12	Reserved position*	Three-year high apprenticeship contract funded by Ceramiche Atlas Condorde S.p.A.	Analysis and optimization of intralogistics processes
13	Position without scholarship	-	-

14	Position without scholarship	-	-
15	Position without scholarship	-	-

An additional position is reserved for a candidate who has already been selected for a specific international mobility programme in which the University of Modena and Reggio Emilia participates (HORIZON 1.2 – Marie Skłodowska-Curie Actions (MSCA) – CHARM).

*: Reserved position funded by **Ceramiche Atlas Condorde S.p.A.** for a three-year High Apprenticeship Contract aimed to carry out work, training, and research activities on the topic of analysis and optimization of intra-logistics processes, with the following characteristics: identification of critical issues and opportunities for improvement within the intra-logistics operations of Ceramiche Atlas Concorde S.p.A., with particular focus on automation and industrial robotics; study and sharing of best practices and benchmarks regarding the identified issues; evaluation and development of systems aimed at reducing costs and increasing efficiency of intra-logistics handling processes, using artificial intelligence and digital automation techniques.
The apprentice will be hired at the Company's premises located in Via Canaletto 141, Spezzano di Fiorano Modenese (MO), with a functional qualification equal to C2, on a full-time basis and with the application of the regulatory and economic treatment provided for by the current Italian National Contract (CCNL) for the social cooperatives sector, the Company is part of.

Areas of the PhD Programme: The PhD Programme in Industrial Innovation Engineering (I3) includes two distinct cultural tracks, developed through two different curricula:

1) Management Engineering;
2) Mechatronic and Energy Engineering.

All curricula are characterized by a strong focus on innovation.
The teaching board may propose to one or more of the admitted candidates, deemed suitable, a study and research path in collaboration with the Federal University of Viçosa (Brazil), which will also lead to the attainment of a Brazilian PhD degree in "Computer Science."
Official languages of the programme: English. All international PhD students are encouraged to learn Italian during the course.
Further information can be found on the programme's website: http://www.iii.unimore.it
The programme is part of the Doctoral School in “E4E (Engineering for Economics – Economics for Engineering).”

Admission requirements: Italian second cycle master's degree (“Laurea Magistrale”, under D.M. 270/04 or “Laurea Specialistica”, under D.M. 509/99) or Italian degree obtained prior to D.M. 509/99 (the previous Italian regulations) or Second cycle non-Italian Master's degree, equivalent to the Italian degrees mentioned above, in accordance with Article 2 of this Call.

Documents to be attached to the application:

1) In order to express interest in also competing for the scholarships linked to a specific research topic, candidates must complete and attach the file

"Declaration of priority interest to compete for scholarships linked to a specific research topic"

2) degree certificate (or self-certification for Italian degrees) and Transcript of Records including the full list of examinations with corresponding marks. Applicants with a non-Italian degree must attach their certificate (including the full list of examinations with corresponding marks) and a legalized translation or Diploma Supplement and, if available, the Declaration of Value ("Dichiarazione di Valore in loco") issued by the competent Italian diplomatic-consular Representation, or the certificates issued by the CIMEA - ENIC-NARIC centre. If the degree certificate is not yet available or if the degree has not yet been obtained, the candidate must attach a description of the degree with a list of the examinations taken using Annex A;
3) a Curriculum Vitae (CV) including their scientific and teaching activities in Italian or English using the form in Annex B; the CV must include the university-level qualifications held;
4) a summary, in Italian or English, of the Master's thesis (or equivalent), consisting of a minimum of three and a maximum of six pages, and structured as follows: motivations behind the thesis, research methods, and results achieved;
5) a short text in English (Statement of Research Interest) using the form in Annex C, in which candidates illustrate their motivation for attending the Course and the description of their specific research interests;
6) possible certificates of English competence (TOEFL, CAE/Proficiency or others), if available;
7) possible certificate of completion of the GRE (Graduate Record Examination) test;
8) maximum three letters of introduction/recommendation/reference; in the online application, applicants must enter all the personal details of the professor/researcher/expert who will be sending the letter of recommendation. Once the application has been submitted, the computer system will send an automatic e-mail to the contact person requesting the letter of recommendation. The deadline for uploading letters is June 30th 2026, 11.59 pm (CET); applicants can check on the application summary page whether the contact person has sent the cover letter/recommendation. Within the aforementioned deadline, applicants may send a reminder to the contact person who has not yet done so by selecting the 'reminder' item from the application summary page;
9) any other document considered useful for the candidate's assessment and/or scientific publications; candidates must provide a full list of all the documents and publications attached;
10) a copy of a valid identity document.

Candidates who intend to apply primarily for the position reserved for the three-year higher education apprenticeship contract must express their interest by compiling and attaching Annex E of this call to their online application.

Evaluation criteria:
For the evaluation of qualifications, the Selection Committee has at its disposal a score up to a maximum of 60 points, divided as follows:
- curriculum: from 0 to 15 points,

- publications: from 0 to 5 points,
- Grades and evaluations from the university study programme, including the thesis: from 0 to 10 points,
- motivation and research project: from 0 to 25 points,
- other qualifications: from 0 to 5 points.

The Commission has the option of conducting a cognitive interview by videoconference, which purpose is to examine in depth the qualifications submitted by candidates. This interview does not involve the awarding of a mark.

Once the qualifications have been assessed, the Committee will compile a merit-based ranking of candidates based on the scores awarded.

Assessment of candidates' suitability for the position covered with a three-year high apprenticeship contract will not affect the marks awarded to the candidates, but is necessary to attribute the contract to suitable candidates. The contractual position will be allocated, to the candidate with the highest score in the ranking list among those who have expressed priority interest for the contract and have been deemed suitable for the position.

Candidates will be accepted for admission if the evaluation of qualifications presented has a score of at least 30 points out of the 60 available.