

PhD PROGRAMME IN ENERGY, SYSTEMS, TERRITORY AND CONSTRUCTION ENGINEERING
ACADEMIC YEAR 2026/2027 (42ND CYCLE)
Coordinator professor *Lorenzo Ferrari*

Administrative headquarters: Department of Energy, Systems, Land and Construction Engineering
[\(http://www.destec.unipi.it/\)](http://www.destec.unipi.it/)

SELECTION PROCEDURES

Total no. of positions with grant 6

ING_ENE01_B	Type of selection procedure Single ranking list		
	No. of available positions with grant 2 of which		
	No.	Funding organisation / Partner institution	Subject / Research project (if any)
	Positions with grant		
	2	University of Pisa	
ING_ENE02_B	Type of selection procedure Single ranking list for research project		
	No. of available positions with grant 1 of which		
	No.	Funding organisation / Partner institution	Subject / Research project (if any)
	Positions with grant		
	1	Department of Energy, Systems, Land and Construction Engineering of University of Pisa	Technological perspectives and market development for hydrogen in the maritime sector
ING_ENE03_B	Type of selection procedure Single ranking list for research project		

No. of available positions with grant 1 of which		
No.	Funding organisation / Partner institution	Subject / Research project (if any)
Positions with grant		
1	Department of Energy, Systems, Land and Construction Engineering of University of Pisa	The role of language in AI innovation

ING_ENE04_B

Type of selection procedure Single ranking list for research project		
No. of available positions with grant 1 of which		
No.	Funding organisation / Partner institution	Subject / Research project (if any)
Positions with grant		
1	Department of Energy, Systems, Land and Construction Engineering of University of Pisa	Innovative methodologies for the study and analysis of hospital buildings and their thermal and electrical systems

ING_ENE05_B

Type of selection procedure Single ranking list for research project		
No. of available positions with grant 1 of which		
No.	Funding organisation / Partner institution	Subject / Research project (if any)
Positions with grant		
1	Department of Energy, Systems, Land and Construction Engineering of University of Pisa	Dynamic modelling, control and operability of advanced energy systems

NB: For the above-mentioned selection procedures, candidates who, on the closing date of the Call for applications, are employed under a subordinate employment contract with a public body, for a duration at least equal to that of the PhD programme, may choose whether to:

1. participate in the selection as a public employee, thereby automatically waiving the doctoral grant;
2. participate in the selection for a position with grant, without declaring their status as a public employee at the application stage.

Applicants who are public employees, in the case referred to under point 1, must declare their status during the above-mentioned online application procedure by selecting the corresponding option in the dedicated field available on the “Alice” platform <https://www.studenti.unipi.it>. Such candidates must also submit a self-declaration certifying their employment with the relevant public body, in accordance with Annex 1 to the Call for applications. Any applicant who, when submitting the online application, declares that they wish to participate as a public employee shall automatically waive the grant, and the provisions governing the ranking list set out in Article 5 of the Call shall apply. This choice is irrevocable and may not be changed at a later stage.

The information below applies to all the selection procedures indicated above

ADMISSION REQUIREMENTS (*Article 3 of the Call for applications*)

Master's Degree (LM) /Second Degree (Specialistica-LS) (or Old system University Degree): **ALL**

or
equivalent academic qualification in accordance with *Ministerial Decree of 9 July 2009* **to be obtained by 31 October 2026.**

In the event that the degree has not yet been awarded by the deadline of the Call for applications, the candidate must attach a list of the examinations taken, including the corresponding marks.

Important: In this regard, during the online application procedure for the selection, the candidate must attach a self-declaration concerning the degree already obtained, or to be obtained, drawn up in accordance with Presidential Decree no. 445/2000, as per Annex 2 to the Call for applications.

SELECTION METHODS AND CRITERIA (*Article 4 of the Call for applications*)

Curriculum vitae

The CV, duly signed and accompanied by a photocopy of a valid identity document, must be uploaded exclusively during the online application procedure for the selection, and must outline the candidate's educational background, as well as their professional and research experience. **Candidates are advised to submit any documentation deemed useful for the purposes of assessing the CV.**

Specifically, the candidate will have to upload the following:

- curriculum vitae;
- any publications;
- the master's degree thesis or, for candidates who have not yet obtained the degree, a draft of it;
- a list of the exams taken during the university career with the relative marks and the degree marks obtained for the Bachelor's degree and for the Master's degree;
- any certificates of participation in conferences;
- any scholarships or research scholarships obtained.

Interview

The interview shall assess the candidate's knowledge, aptitude for research, willingness to undertake training pathways in Italy and abroad, and interest in further scientific study.

During the interview, the Committee may ask candidates to outline the research topics they would like to pursue during the doctoral program. The interview may also include questions on specific aspects of the program, discussion of case studies, critical evaluation of key issues within the relevant scientific context, and other topics related to the doctoral program's research activities. Candidates' proficiency in English will also be assessed.

Videoconferencing **YES**

Candidates wishing to take the interview by videoconference must upload the VIDEO Annex to the Call for applications **exclusively during the online application procedure for the selection**. Requests received after the deadline of the Call for applications (**10 August 2026**) shall be submitted to the Selection Committee, which will assess whether to accept them in light of the technical time required to organise the interview by videoconference.

Research Project:

to be assessed together with the CV and to be presented at the interview

The research project must be uploaded **during the online application procedure for registration**.

As part of the candidate's CV evaluation, the research project will be assessed on the basis of the candidate's project-design skills and the consistency and relevance of its content to the doctoral program's research areas. During the interview, candidates will be required to present and discuss their project, demonstrating their knowledge of the subject, explaining its scientific relevance and innovative aspects, and critically assessing its feasibility. The project must present a clear and well-structured research proposal, outlining the state of the art, the objectives to be achieved, and the activities and methods proposed to accomplish them. The research project submitted as part of the selection process does not constitute a commitment or impose any constraints on the candidate's future research activities.

	Minimum score	Maximum score
CV	18	30
Candidates who have obtained a score of at least 18 out of 30 points shall be admitted to the interview.		
Interview	18	30
Eligibility is achieved with a minimum score of 36 out of 60 points		

SCHEDULE OF THE TESTS

The tests may take place in the period **between 14 and 30 September 2026**.

The schedule of the tests, for each of the selections below, will be published **by 24 July 2026** at <https://www.unipi.it/bando-dottorato>, including the indication of the venue where they will be held.

RANKING LIST AND ENROLMENT

Article 5 of the Call for applications sets out:

- the procedures for drawing up the ranking list
- the date of publication of the ranking list
- the procedures and deadlines for enrolment
- the procedures and deadlines for subsequent admissions from the ranking list.

Important: Subsequent admissions from the ranking lists, after 6 October and until 31 December 2026, are permitted only for “open” grants (i.e. those without a specific research topic), namely: **ING_ENE01_B**.

In the other selection procedures, as they involve subject-based grants, any unassigned positions at the end of the third round of admissions from the ranking list will be made available by means of a specific notice, to be issued by Rector’s Decree in November. Such notice will be reserved for eligible candidates suitably placed in the ranking lists of the selection procedures already completed and will be published at <https://www.unipi.it/didattica/corsi/dottorati/>.

With regard to the publication of the notice and the procedures for the reallocation of the grants, **no individual email communication will be sent to eligible candidates**, as all relevant information will be provided upon publication of the ranking lists.

INFORMATION ON THE TEACHING ACTIVITIES OF THE PROGRAMME

Educational project and objectives of the programme:

<https://www.unipi.it/didattica/corsi/dottorati/scienze-ingegneristiche-ed-informatiche/ingegneria-dellenergiadei-sistemi-del-territorio-e-delle-costruzioni/>

PhD programme website:

<http://www.destec.unipi.it/didattica/corso-di-dottorato>

PhD programme regulations:

<https://www.unipi.it/wp-content/uploads/ingegneriadellenergia.pdf>