



**UNIVERSITÀ  
DEGLI STUDI  
DI BERGAMO**

Scuola  
di alta formazione  
dottorale

Attachment A to Announcement PhD XLI round

**PHD in ARTIFICIAL INTELLIGENCE FOR SUSTAINABLE FUTURES**

**Coordinator:** *Prof. Antonio Ferramosca*

**Scientific Area:**

- 01- Mathematics and informatics**
- 09 - Industrial and information engineering**
- 10 - Ancient, philological-literary and historical-artistic sciences**
- 11 - Historical, philosophical, pedagogical and psychological sciences**
- 12 - Legal sciences**
- 13 - Economic sciences and statistics**
- 14 - Political and social sciences**

**Curricula:**

- AI in context: sustainable socio-technical systems
- *Participatory development of AI models, methods and applications*

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	10	8	2

**Scholarships:**

- No. 5 financed by the Università degli studi di Bergamo;
- No. 1 financed by Tressse Progetti Srl for the following research topic:

1	<b>Project title:</b> Data-Driven Optimization and Artificial Intelligence for Smart Energy Storage Systems
	<b>Reference Professor:</b> Prof. Francesca Maggioni

- No. 2 financed by ASST Papa Giovanni XXIII for the following research topics:

1	<b>Project title:</b> Data Science for the Management of Heterogeneous and Large-Scale Databases in Oncological Clinical Research
	<b>Reference Professor:</b> Prof. Antonio Ferramosca

2	<b>Project title:</b> Artificial Intelligence and Semantic Technologies for the Management and Valorization of Heterogeneous Clinical Data in Healthcare
	<b>Reference Professor:</b> Prof. Domenico Fabio Savo

**Positions with no scholarship:** No. 2

**Access requirement:**

Possession, by Oct. 31, 2025, of a bachelor's degree obtained in accordance with the regulations in force prior to the entry into force of Ministerial Decree 509/1999, specialist degree (Ministerial Decree 509/1999), master's degree (Ministerial Decree 270/2004).

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.



### **Modality of selection**

Assessment of qualifications and interview

### **Type of estimable qualifications**

*Qualification assessments (up to 60 marks):*

- curriculum studiorum: up to 5 marks;
- two letters of reference from Italian or foreign academics: up to 10 marks;
- examinations sustained during the triennial/postgraduate/master degree course or degree attained according to previously-applicable systems as per Ministerial Decree 509/1999, with particular reference to the curricular subjects forming doctorate objectives: up to 15 marks;
- other qualifications of specialization and research activities, normalized per year from the date of the graduate degree specialistica/magistrale, if present (publications on international journals, specialization post-graduate courses, summer schools, attendance to research projects, position of research fellowship or research assistant, participation to research contracts, scholarships, assignments in universities and in national or international research bodies; all qualifications must be certificated, showing the activity's effective date and duration): up to 5 marks;
- research project (which will be assessed on the basis of the scientific value, originality and articulation of the proposal, consistency with the research themes of the PhD program): up to 25 marks.

*Interview (up to 30 marks):*

- knowledge of the English language and, for foreign students, also of the Italian language: up to 5 points
- discussion of the research project (assessment of the candidate's capacity to convincingly discuss project preconditions and goals; evaluation of the candidate's aptitude for scientific research): up to 25 marks;

### **Interview date:**

09/07/2025 at 09:00 hours (Italian time) eventually continuing on 10/07/2025 at 09:00 hours (Italian time) depending on the number of candidates participating to the interview.

The interview will be carried out via videoconference and in English.



**PhD in ECONOMICS**

**Coordinator:** Prof. Francesco Cinnirella

**Scientific Area:**        **01 - Mathematics and informatics**  
                                  **13 - Economic sciences and statistics**

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
4 years	4	4	0

**Scholarships:**

No. 4 financed by the University

**Positions with no scholarship:** No. 0

**Access requirement:**

Possession, by Oct. 31, 2025, of a bachelor's degree obtained in accordance with the regulations in force prior to the entry into force of Ministerial Decree 509/1999, specialist degree (Ministerial Decree 509/1999), master's degree (Ministerial Decree 270/2004).

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

**Modality of selection**

Assessment of qualifications and interview

**Type of estimable qualifications**

*Qualification assessments (up to 60 points):*

- curriculum vitae: up to 30 points;
- Research project (which will be evaluated on the basis of scientific value, originality and articulation of the proposal, consistency with the research themes of the doctoral program): up to 20 points;
- 2 letters of reference of the candidate from university professors: up to 10 points.

*Interview (up to 30 points):*

- proficiency in English and, for foreign students, also in Italian: up to 5 points;
- discussion of the research project (evaluation of the candidate's ability to convincingly argue premises and objectives of the project): up to 15 points;
- breadth of knowledge demonstrated in the area of doctoral research topics: up to 10 points.

**Language competence:** English language. For foreign candidates, knowledge of Italian language will also be evaluated.

**Interview Date:**

07/07/2025 h. 10:00 (Italian time) with possible continuation on 08/07/2025, depending on the number of candidates participating in the interview.

The interview will be conducted by videoconference and in English.



## PhD in HEALTH AND LONGEVITY

**Coordinator:** Prof.ssa Caterina Rizzi

**Scientific Area:**

- 05 - Biological sciences**
- 06 - Medical sciences**
- 09 - Industrial and information engineering**
- 11 - Historical, philosophical, pedagogical and psychological sciences**
- 12 - Legal sciences**
- 13 - Economic sciences and statistics**
- 14 - Political and social sciences**

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	9	7	2

### Scholarships:

- N. 4 funded by the University of Bergamo;
- N. 2 funded by Istituto di Ricerche Farmacologiche Mario Negri IRCCS for the following research topics:

1	<b>Project Title:</b> Novel computational and experimental strategies towards vascular disease prediction and prevention
	<b>Reference Professor:</b> Anna Caroli

2	<b>Project Title:</b> Impact of Patiromer treatment on health-related quality of life and nutrition in patients on Chronic Dialysis
	<b>Reference Professor:</b> Nadia Rubis

- N. 1 funded by ASST Papa Giovanni XXIII for the following research topic:

1	<b>Project Title:</b> Artificial Intelligence Models for Predictive and Prescriptive Clinical Decision Support in Oncology (Digital Therapeutics)
	<b>Reference Professor:</b> Antonio Ferramosca

### Positions with no scholarship: 2.

#### Access requirement:

Possession, by Oct. 31, 2025, of one of the following master's degrees or corresponding degree obtained under the previous regulations:

- LMG/01 - Classe delle lauree magistrali in Giurisprudenza
- LM-06 - Classe delle lauree magistrali in Biologia
- LM-09 - Classe delle lauree magistrali in Biotecnologie mediche, veterinarie e farmaceutiche
- LM-13 - Classe delle lauree magistrali in Farmacia e farmacia industriale
- LM-19 - Classe delle lauree magistrali in Informazione e Sistemi Editoriali
- LM-21 - Classe delle lauree magistrali in Ingegneria Biomedica
- LM-25 - Classe delle lauree magistrali in Ingegneria dell'automazione
- LM-29 - Classe delle lauree magistrali in Ingegneria elettronica
- LM-31 - Classe delle lauree magistrali in Ingegneria Gestionale
- LM-32 - Classe delle lauree magistrali in Ingegneria Informatica



- LM-33 - Classe delle lauree magistrali in Ingegneria Meccanica
- LM-40 - Classe delle lauree magistrali in Matematica
- LM-41- Classe di laurea magistrale in Medicina e Chirurgia a ciclo unico
- LM-51 - Classe delle lauree magistrali in Psicologia
- LM-56 - Classe delle lauree magistrali in Scienze dell'economia
- LM-68 - Classe delle lauree magistrali in Scienze e Tecniche dello sport
- LM-77 - Classe delle lauree magistrali in Scienze economico-aziendali
- LM-82 - Classe delle lauree magistrali in Scienze Statistiche
- LM-85 - Classe delle lauree magistrali in Scienze pedagogiche
- LM-88 - Classe delle Lauree magistrali in Sociologia

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

**Modality of selection:**

Assessment of qualifications and interview

**Type of estimable qualifications**

*Qualification assessments (up to 60 marks):*

- curriculum vitae studiorum - max 5 points;
- two letters of reference from Italian or foreign academics - max 10 points;
- examinations taken during the course of a bachelor's/master's/master's degree or degree awarded according to the system prior to Ministerial Decree 509/1999 or master's/specialist degree, with particular reference to the subjects covered by the doctoral course max 15 points;
- other titles of specialization and research activities normalized by year from the date of achievement of the master's/master's degree, if any (publications in international journals, specialization diplomas and postgraduate courses, summer schools, participation in research projects, positions of research fellow or research assistant, holding research contracts, scholarships, positions in universities and international national research organizations; all titles must be duly attested, with information on the starting date and duration of the activity carried out) - max 5 points;
- Research project (which will be evaluated on the basis of scientific value, originality and articulation of the proposal, consistency with the research themes of the PhD): up to 25 points

*Interview (up to 30 marks):*

- knowledge of the English language and, for foreign students, also of the Italian language: up to 5 points
- discussion of the research project (assessment of the candidate's capacity to convincingly discuss project preconditions and goals): up to 25 points;

**Language competence:** English language. For foreign candidates, knowledge of Italian language will also be evaluated.

**Interview Date:**

July 16, 2025 at 09:00 AM (Italian time) eventually continuing on July 17, 2025, depending on the number of candidates participating to the interview.

The interview will be carried out by videoconference and in English.



**PhD in LANDSCAPE STUDIES FOR GLOBAL AND LOCAL CHALLENGES**

**Coordinator:** Prof.ssa Alessandra Ghisalberti

**Scientific Area:**

**8 - CIVIL ENGINEERING AND ARCHITECTURE**

**10 - ANCIENT, PHILOLOGICAL-LITERARY AND HISTORICAL-ARTISTIC SCIENCES**

**11 - HISTORY, PHILOSOPHY, PEDAGOGY AND PSYCHOLOGY**

**12 - LEGAL SCIENCES**

**13 - ECONOMIC SCIENCES AND STATISTICS**

**14 - POLITICAL AND SOCIAL SCIENCES**

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	5	4	1

**Scholarships:**

No. 4 financed by the University

**Positions with no scholarship:** No. 1

**Access requirement:**

Possession, by Oct. 31, 2025, of a bachelor's degree obtained in accordance with the regulations in force prior to the entry into force of Ministerial Decree 509/1999, specialist degree (Ministerial Decree 509/1999), master's degree (Ministerial Decree 270/2004).

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

**Additional access requirements:**

- A Master's degree or other fit international qualification. The final dissertation mark should be at least 105/110. For students who will be achieving the qualification required for admission after the deadline of the call, the average exams mark should be at least 105/110;
- Italian candidates or with a qualification obtained in Italy must have a B2 (CEFR) language level in English or French, self-certified and verified during the admission interview;
- Candidates with a qualification obtained abroad must submit a certified translation of the degree certificate with the correspondence of the degree mark in one-hundred cents;
- Candidates with a qualification obtained abroad and who are not Italian mother tongue must have a B2 (CEFR) Italian level self-certified and verified during the admission interview.

**Modality of selection**

Assessment of qualifications and interview

**Type of estimable qualifications**

*Qualification assessments (up to 60 marks):*

- curriculum studiorum: up to 15 marks;
- research project: up to 25 marks (the project may be submitted in Italian, English or French);
- final grades or equivalent documentation: up to 10 marks;
- other qualifications: e.g. specialisation courses, post-graduate courses, etc.; attendance to research projects, contract ownerships, scholarships, assignments in national or international



research bodies, duly certificated, showing the activity's effective date and duration: up to 5 marks;

- scientific publications (endowed with ISBN or ISSN): up to 5 marks (only publications not older than five years at the date of publication of the call and relevant to the topics of the doctoral program will be evaluated).

*Interview (up to 30 marks):*

- Discussion of the research project (assessment of the candidate's capacity to convincingly discuss project preconditions, goals and method): up to 20 marks;
- relevance of demonstrated knowledge in the field of curricular subjects forming doctorate objectives: up to 10 marks.

**Linguistic competence:**

During the interview, Italian candidates or with a qualification obtained abroad must demonstrate their knowledge of English or French; candidates who are not Italian mother tongue will be required to also demonstrate the knowledge of Italian language.

**Interview date:**

07/04/2025 at 9:00 AM (Italian time) eventually continuing on 07/05/2025 at 9:00 AM (Italian in time), depending on the number of candidates participating to the interview.

The interview will be carried out in person and in Italian, English or French. The interview can be carried out only for candidates residing abroad who request it.



**PhD in MANAGEMENT ACCOUNTING AND FINANCE**

**Coordinator: Prof. Sergio Ortobelli Lozza**

**Scientific Area: 13 - Economic sciences and statistics  
14 - Political and social sciences**

Duration	Positions	Positions covered by scholarships	Positions with no scholarships
3 anni	5	4	1

**Scholarships:**

No. 4 financed by the University

**Positions with no scholarship:**

- No. 1 position without scholarship reserved for employees of Studio Ghitti e Associati to carry out the topic below:

1	Project title: Intersection between sustainable finance and blockchain technology to optimize reporting processes related to ESG (Environmental, Social, Governance) criteria
	Reference professor: Silvio Vismara

In case a suitable profile is not found among Studio Ghitti e Associati employees, the position will be made available as a non-reserved position.

**Access requirement:**

Possession, by Oct. 31, 2025, of a bachelor's degree obtained in accordance with the regulations in force prior to the entry into force of Ministerial Decree 509/1999, specialist degree (Ministerial Decree 509/1999), master's degree (Ministerial Decree 270/2004).

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

**Additional access requirements:**

- Having obtained or being in the process of obtaining the last Master's Degree (or equivalent academic degree) within the 5 years prior to the date of the call for applications, with a Bachelor's Degree grade not less than 99/110. For undergraduates, the curricular average must not be less than 96/110.
- For candidates with a degree obtained abroad, if not in possession of the Diploma Supplement (only for students who obtained their university degree in EU countries), the Declaration of Value in loco issued by the competent Italian diplomatic authority in the state where the degree was obtained must be produced.

**Modality of selection**

Assessment of qualifications and interview

**Types of evaluable titles:**

*Evaluation of qualifications (up to 60 points):*

- curriculum studiorum: up to 20 points;
- Research project (which will be evaluated on the basis of scientific value, originality and articulation of the proposal, coherence with doctoral research topics): up to 40 points;



*Interview (up to 30 points):*

- knowledge of English and, for foreign students, also of Italian: up to 5 points
- discussion of the research project (evaluation of the candidate's ability to convincingly argue premises and objectives of the project): up to 15 points;
- breadth of knowledge demonstrated in the subjects covered by the doctoral course: up to 10 points.

**Language competence:** English language. For foreign applicants, knowledge of the Italian language will also be evaluated.

**Interview Date:**

09/07/2025 h. 9:00 a.m. (Italian time) with possible continuation in the following days, depending on the number of candidates participating in the interview.

The interview will be conducted by videoconference



## PhD in LEGAL STUDIES

**Coordinator:** prof. Antonio Banfi

**Scientific Area:** 12 – Scienze giuridiche

### Curricula:

- People, rules, institutions in the national and supranational dimensions
- Enterprise law

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	5	4	1

### Scholarships:

No. 4 financed by the University

**Positions with no scholarship:** No. 1

### Access requirement:

Possession, by Oct. 31, 2025, of a bachelor's degree obtained in accordance with the regulations in force prior to the entry into force of Ministerial Decree 509/1999, specialist degree (Ministerial Decree 509/1999), master's degree (Ministerial Decree 270/2004).

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

### Modality of selection

Assessment of qualifications and interview

### Additional access requirements:

- Having obtained or being in the process of obtaining the last Master's Degree (or equivalent academic degree) within the 5 years prior to the date of the call for applications, with a Bachelor's Degree grade not less than 105/110. For undergraduates, the curricular average must not be less than 100/110.
- Certification of the B2 level of Italian for candidates with a degree obtained abroad;
- For candidates with a degree obtained abroad, if not in possession of the Diploma Supplement (only for students who have obtained their university degree in EU countries), the Dichiarazione di Valore in loco issued by the competent Italian diplomatic authority in the state where the degree was obtained must be produced.

### Types of evaluable titles:

*Evaluation of qualifications (up to 60 points):*

- curriculum studiorum: up to 20 points;
- Research project (which will be evaluated on the basis of scientific value, originality and articulation of the proposal, coherence with doctoral research topics): up to 40 points;

*Interview (up to 30 points):*

- knowledge of English and, for foreign students, also of Italian: up to 5 points
- discussion of the research project (evaluation of the candidate's ability to convincingly argue premises and objectives of the project): up to 15 points;
- breadth of knowledge demonstrated in the subjects covered by the doctoral course: up to 10 points.



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**Language competence:** English language. For foreign applicants, knowledge of the Italian language will also be evaluated.

**Interview date:**

14/07/2025 h. 09.30 a.m. (Italian time), with possible continuation on 15/07/2025, depending on the number of candidates participating in the interview.

The interview will be conducted by videoconference, and in Italian language



## PhD in HUMAN AND SOCIAL SCIENCES

**Coordinator:** Professor Andrea Greco

**Scientific Area: 11 - History, philosophy, pedagogy and psychology  
14 - Political and social sciences**

### Curricula:

- *Mind and body for the generativity of psychosocial well-being*
- *Educational, didactic and training theory and research in the human and social sciences*
- *Roots and transformations of the human and social sciences*

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	5	4	1

### Scholarships:

No. 4 financed by the University

**Positions with no scholarship:** No. 1

### Access requirement:

Possession, by Oct. 31, 2025, of a bachelor's degree obtained in accordance with the regulations in force prior to the entry into force of Ministerial Decree 509/1999, specialist degree (Ministerial Decree 509/1999), master's degree (Ministerial Decree 270/2004).

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

### Additional access requirements:

International students are required to have a qualification equivalent to B2 for the Italian Language

### Modality of selection

Assessment of qualifications and interview

### Type of estimable qualifications

*Qualification assessments (up to 60 marks):*

- *curriculum studiorum:* up to 10 marks;
- research project (which will be assessed on the basis of the scientific value, originality and articulation of the proposal, consistency with the research themes of the PhD program): up to 40 marks.
- two reference letters from Italian or foreign academics: up to 5 points;
- motivational letter: up to 5 points.

*Interview (up to 30 marks):*

- knowledge of the English language and, for foreign students, also of the Italian language: up to 5 points
- discussion of the research project (assessment of the candidate's capacity to convincingly discuss project preconditions and goals): up to 15 marks;
- relevance of demonstrated knowledge in the subjects covered by the PhD program: up to 10 marks.



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**Linguistic competence**

English language. Candidates who are not Italian mother tongue will be required to also demonstrate the knowledge of Italian language

**Interview date:**

14/07/2025 at 10:30 am (Italian time) eventually continuing on 15/07/2025 at 09:30 am (Italian time) depending on the number of candidates participating in the interview.

The interview will be carried out in person and in Italian.



**PHD in PHILOLOGICAL AND LINGUISTIC STUDIES ON ORAL AND WRITTEN RECORDS**

**Coordinator:** Prof.ssa Maria Grazia Cammarota

**Scientific Area: 10 - Ancient, philological-literary and historical-artistic sciences**

**Curricula:**

- Texts, writings and cultural-historical memory
- Languages, scriptures and orality

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	5	4	1

**Scholarships:**

No.4 financed by the University

**Positions with no scholarship:** no. 1

**Access requirement:**

Possession, by Oct. 31, 2025, of one of the following master's degrees or corresponding degree obtained under the previous regulations:

LM-5 Archivistica e biblioteconomia  
LM-14 Filologia moderna  
LM-15 Filologia, letterature e storia dell'antichità  
LM-19 Informazione e sistemi editoriali  
LM-36 Lingue e letterature dell'Africa e dell'Asia  
LM-37 Lingue e letterature moderne europee e americane  
LM-38 Lingue moderne per la comunicazione e la cooperazione internazionale  
LM-39 Linguistica  
LM-43 Metodologie informatiche per le discipline umanistiche  
LM-81 Scienze per la cooperazione allo sviluppo  
LM-84 Scienze storiche  
LM-92 Teorie della comunicazione  
LM-94 Traduzione specialistica e interpretariato

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

**Modality of selection**

Assessment of qualifications and interview

**Type of estimable qualifications**

*Qualification assessments (up to 60 marks):*

- *curriculum studiorum:* up to 20 marks; for those who have not yet graduated, the average of the proficiency exams is evaluated;
- research project (which will be assessed on the basis of the scientific value, originality and articulation of the proposal, consistency with the research themes of the PhD program): up to 40 marks.

*Interview (up to 30 marks):*



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- knowledge of the English language (and possibly an additional project-related language) and, for foreign students, also of the Italian language: up to 5 points
- discussion of the research project (assessment of the candidate's capacity to convincingly discuss project preconditions and goals): up to 15 marks;
- relevance of demonstrated knowledge in the subjects covered by the PhD program: up to 10 marks.

**Linguistic competence:** English language at an academic level (B2 advanced). Foreign candidates will also be assessed on their knowledge of the Italian at an academic level (B2-C1)

**Interview date:**

07/08/2025 at 10:00 am (Italian time) eventually continuing on 08/07/2025 at 10:00 am depending on the number of candidates participating to the interview.

The interview will be carried out in person and in Italian language. Candidates residing abroad may request the telematic mode.



**PhD in TRANSCULTURAL STUDIES IN HUMANITIES**

**Coordinator:** *Prof.ssa Michela Gardini*

**Scientific Area: 10 - Antiquities, philology, literary studies, art history  
11 - History, philosophy, pedagogy and psychology**

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	5	4	1

**Scholarships:**

- No. 4 financed by the University

**Positions with no scholarship:** No. 1

**Access requirement:**

Possession, by Oct. 31, 2025, of a bachelor's degree obtained in accordance with the regulations in force prior to the entry into force of Ministerial Decree 509/1999, specialist degree (Ministerial Decree 509/1999), master's degree (Ministerial Decree 270/2004).

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

**Additional access requirements:**

- A Master's degree or other fit international qualification. The final dissertation mark should be at least 105/110. For students who will be achieving the qualification required for admission after the deadline of the call, the average exams mark should be at least 105/110;
- a language certification (CEFR, at least B2 level or above) in English, French, Spanish or German not older than five years at the date of publication of the call. In alternative, the candidate must have:
  - obtained a Bachelor's Degree in the classes (Italian Ministerial field of study codes) L-11 or L-12;
  - obtained a Master's Degree in the classes (Italian Ministerial field of study codes) LM-37 or LM-38;
  - passed (with grade or suitability) in any master's degree course a curricular exam in English, French, Spanish or German at least at level B2 of the CEFR;
- candidates with a qualification obtained abroad must submit a certified translation of the degree certificate with the correspondence of the degree mark in one-hundred cents;
- candidates with a qualification obtained abroad and who are not Italian mother tongue must submit a certification of knowledge of the Italian language (CEFR, B2 level or above; for instance CELI3).

**Modality of selection**

Assessment of qualifications and interview



## **Type of estimable qualifications**

### *Qualification assessments (up to 60 marks):*

- *curriculum studiorum*: up to 15 marks;
- research project: up to 25 marks (the project may also be submitted in Italian, English or French);
- final grades or equivalent documentation: up to 10 marks;
- other qualifications: e.g. specialisation courses, post-graduate courses, etc.; attendance to research projects, contract ownerships, scholarships, assignments in national or international research bodies, duly certificated, showing the activity's effective date and duration: up to 5 marks;
- scientific publications (endowed with ISBN or ISSN): up to 5 marks (only publications not older than five years at the date of publication of the call and relevant to the topics of the doctoral program will be evaluated).

### *Interview (up to 30 marks):*

- Knowledge of at least one European foreign language (English, French, Spanish, German); in the case of candidates who are not Italian mother tongue also the knowledge of Italian language will be tested: up to 5 marks;
- Discussion of the research project (assessment of the candidate's capacity to convincingly discuss project preconditions and goals): up to 15 marks;
- relevance of demonstrated knowledge in the field of curricular subjects forming doctorate objectives: up to 10 marks.

## **Linguistic competence**

During the interview, candidates must demonstrate their knowledge of one European foreign language (English, French, Spanish, German); candidates who are not Italian mother tongue will be required to also demonstrate the knowledge of Italian language.

### **Interview date:**

09/07/2025 at 10:00 AM (Italy time) eventually continuing on 10/07/2025 at 10:00 AM (Italy time) depending on the number of candidates participating in the interview.

The interview will be carried out in person and in Italian. The interview may take place in videoconference only in the case of candidates residing abroad.



**PhD in SUSTAINABLE TECHNOLOGIES FOR INDUSTRIAL AND CONSTRUCTION ENGINEERING**

**Coordinator:** Prof.ssa Alessandra Marini

**Scientific Area:**

**2 - PHYSICS**

**3 - CHEMISTRY**

**8 - CIVIL ENGINEERING AND ARCHITECTURE**

**9 - INDUSTRIAL AND INFORMATION ENGINEERING**

**Curricula:**

- Advanced and Sustainable Materials
- Energy, Fluid Mechanics & Heat/Mass Transfer
- Electronics, Mechatronics, and E-Mobility
- Construction and Preservation of Built Environment

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	6	5	1

**Borse di studio:**

- N. 4 financed by the University,
- N. 1 financed by Studio Ansaldo Energia Spa for the following research topic:

1	<b>Project title:</b> Heat exchange in turbomachinery
	<b>Advisor:</b> Prof.ssa Giovanna Barigozzi

**Positions with no scholarship:** No 1

**Access requirement:**

Possession, by Oct. 31, 2025, of one of the following master's degrees or corresponding degree obtained under the previous regulations:

LM-4 Architettura e ingegneria edile-architettura  
LM-4 c.u. Architettura e ingegneria edile-architettura (quinquennale)  
LM-17 Fisica  
LM-20 Ingegneria aerospaziale e astronautica  
LM-21 Ingegneria biomedica  
LM-22 Ingegneria chimica  
LM-23 Ingegneria civile  
LM-24 Ingegneria dei sistemi edilizi  
LM-25 Ingegneria dell'automazione  
LM-26 Ingegneria della sicurezza  
LM-27 Ingegneria delle telecomunicazioni  
LM-28 Ingegneria elettrica  
LM-29 Ingegneria elettronica  
LM-30 Ingegneria energetica e nucleare  
LM-31 Ingegneria gestionale  
LM-32 Ingegneria informatica



LM-33 Ingegneria meccanica  
LM-34 Ingegneria navale  
LM-35 Ingegneria per l'ambiente e il territorio  
LM-40 Matematica  
LM-44 Modellistica matematico-fisica per l'ingegneria  
LM-48 Pianificazione territoriale urbanistica e ambientale  
LM-53 Scienza e ingegneria dei materiali  
LM-54 Scienze chimiche  
LM-71 Scienze e tecnologie della chimica industriale  
LM-75 Scienze e tecnologie per l'ambiente e il territorio  
4/S (specialistiche in architettura e ingegneria edile)  
20/S (specialistiche in fisica)  
25/S (specialistiche in ingegneria aerospaziale e astronautica)  
26/S (specialistiche in ingegneria biomedica)  
27/S (specialistiche in ingegneria chimica)  
28/S (specialistiche in ingegneria civile)  
29/S (specialistiche in ingegneria dell'automazione)  
30/S (specialistiche in ingegneria delle telecomunicazioni)  
31/S (specialistiche in ingegneria elettrica)  
32/S (specialistiche in ingegneria elettronica)  
33/S (specialistiche in ingegneria energetica e nucleare)  
34/S (specialistiche in ingegneria gestionale)  
35/S (specialistiche in ingegneria informatica)  
36/S (specialistiche in ingegneria meccanica)  
37/S (specialistiche in ingegneria navale)  
38/S (specialistiche in ingegneria per l'ambiente e il territorio)  
45/S (specialistiche in matematica)  
50/S (specialistiche in modellistica matematico-fisica per l'ingegneria)  
54/S (specialistiche in pianificazione territoriale urbanistica e ambientale)  
61/S (specialistiche in scienza e ingegneria dei materiali)  
62/S (specialistiche in scienze chimiche)  
81/S (specialistiche in scienze e tecnologie della chimica industriale)  
82/S (specialistiche in scienze e tecnologie per l'ambiente e il territorio)

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

### **Modality of selection**

Assessment of qualifications and interview.

### **Type of estimable qualifications**

*Qualification assessments (up to 60 marks):*

- *curriculum studiorum*, also in relation to the years elapsed since the last qualification obtained: up to 35 points;
- *research project* (which will be evaluated based on the scientific value, originality, and articulation of the proposal, coherence with the research themes of the doctorate; the model for the drafting of the research project can be downloaded from the following [link](#)): up to 20 points;
- *other qualifications*, publications, reference letters from Italian or foreign academics: up to 5 points.

*Interview (up to 30 marks):*



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- verification of possession of basic knowledge and skills in relation to the research project presented and discussion of the research project (evaluation of the candidate's ability to convincingly argue the premises, objectives, tools, and methods of the project): up to 30 points

**Linguistic competence:** English language.

**Interview date:**

04/07/2025 h. 9:00 (Italian time), possibly continuing on 07/07/2025 h. 9:00 (Italian time), depending on the number of candidates participating in the interview. The interview may be conducted via video conference. The interview will be held in English.



**PhD in TECHNOLOGY, INNOVATION AND MANAGEMENT (TIM)**

**Coordinator:** *Prof. Paolo Gaiardelli*

**Scientific Area: 09 - Industrial and information engineering**

Duration	Positions	Positions covered by scholarships	Positions with no scholarship
3 years	10	8	2

**Scholarships:**

- No. 4 financed by the Università degli Studi di Bergamo;
- No. 3 financed by the University of Naples "Federico II"
- No. 1 financed by Intellimech for the following research topic:

1	<b>Project title:</b> Logistics 5.0: the new paradigms related to the management and technology revolution for sustainable advanced logistics
	<b>Reference Professor:</b> Prof. Alexandra Lagorio, Prof. Chiara Cimini

**Positions with no scholarship:** No. 2

**Contracted structures:** University of Naples "Federico II"

**Access requirement:**

Possession, by Oct. 31, 2025, of a bachelor's degree obtained in accordance with the regulations in force prior to the entry into force of Ministerial Decree 509/1999, specialist degree (Ministerial Decree 509/1999), master's degree (Ministerial Decree 270/2004).

In the case of a degree obtained abroad, the evaluation of the requirement will be carried out by the selection committee.

**Modality of selection**

Assessment of qualifications and interview

**Type of estimable qualifications**

*Qualification assessments (up to 60 marks):*

- curriculum studiorum: up to 5 marks;
- two letters of reference from Italian or foreign academics: up to 10 marks;
- examinations sustained during the triennial/postgraduate/master degree course or degree attained according to previously-applicable systems as per Ministerial Decree 509/1999, with particular reference to the curricular subjects forming doctorate objectives: up to 15 marks;
- other qualifications of specialization and research activities, normalized per year from the date of the graduate degree specialistica/magistrale, if present (publications on international journals, specialization post-graduate courses, summer schools, attendance to research projects, position of research fellowship or research assistant, participation to research contracts, scholarships, assignments in universities and in national or international research bodies; all qualifications must be certificated, showing the activity's effective date and duration): up to 5 marks;
- research project (which will be assessed on the basis of the scientific value, originality and articulation of the proposal, consistency with the research themes of the PhD program): up to 25 marks.



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*Interview (up to 30 marks):*

- knowledge of the English language and, for foreign students, also of the Italian language: up to 5 points
- discussion of the research project (assessment of the candidate's capacity to convincingly discuss project preconditions and goals; evaluation of the candidate's aptitude for scientific research): up to 25 marks;

**Interview date:**

14/07/2025 at 09:00 hours (Italian time) eventually continuing on 15/07/2025 at 09:00 hours (Italian time) depending on the number of candidates participating to the interview.

The interview will be carried out via videoconference and in English.

THE CHANCELLOR

(Professor Sergio Cavalieri)

Documento firmato digitalmente ai sensi  
dell'art. 24 del D. Lgs. 82/2005