

THIS ANNEX A to the CALL FOR ADMISSION, TRANSLATED INTO ENGLISH, IS AN UNOFFICIAL COPY OF THE ORIGINAL. THE ONLY COPY OF LEGAL VALUE IS THE OFFICIAL DOCUMENT IN ITALIAN LANGUAGE

ANNEX A - PhDs PROGRAMMES DATA SHEETS

PhD PROGRAMME IN ARTIFICIAL INTELLIGENCE IN MEDICINE AND INNOVATION IN CLINICAL	
	RESEARCH AND METHODOLOGY
Scientific areas	06 Medical Sciences; 05 Biological Sciences; 09 Industrial an
	Information Engineering; 13 Economic and Statistical Sciences; 0
	Mathematical and Informatic Sciences
Macro areas	05/D; 05/H; 06/B; 06/D; 06/E; 06/F; 06/G; 06/I; 06/L; 06/M
	09/D; 09/E; 09/F; 13/A; 01/B
Duration	3 years
Starting date	November 1st, 2024
Proponent Structure	Department of Clinical and Experimental Sciences
Coordinator	Prof. Domenico Russo
Curricula	- Artificial Intelligence in Medicine
	- Regenerative Medicine
	- Innovation in Clinical Research and Methodology
Admission requirements	LM-6 Biologia
-	LM-7 Biotecnologie agrarie
	LM-8 Biotecnologie industriali
	LM-9 Biotecnologie mediche, veterinarie e farmaceutiche
	LM-13 Farmacia e farmacia industriale
	LM-16 Finanza
	LM-17 Fisica
	LM-18 Informatica
	LM-21 Ingegneria biomedica
	LM-22 Ingegneria chimica
	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-32 Ingegneria informatica
	LM-33 Ingegneria meccanica
	LMG/01 in Giurisprudenza
	LM-40 Matematica
	LM-41 Medicina e chirurgia
	LM-42 Medicina veterinaria
	LM-43 Metodologie informatiche per le discipline umanistiche
	LM-44 Modellistica matematico-fisica per l'ingegneria
	LM-46 Odontoiatria e protesi dentaria
	LM-51 Psicologia
	LM-52 Relazioni internazionali
	LM-53 Scienza e ingegneria dei materiali
	LM-54 Scienze chimiche
	LM-55 Scienze cognitive
	LM-56 Scienze dell'economia



	LM-61 Scienze della nutrizione umana
	LM-66 Sicurezza informatica
	LM-67 Scienze e tecniche delle attività motorie preventive e adattate
	LM-70 Scienze e tecnologie alimentari LM-71 Scienze e tecnologie della chimica industriale
	LM-77 Scienze e techologie della chimica industriale LM-77 Scienze economico-aziendali
	LM-78 Scienze filosofiche
	LM-76 Scienze Hosofiche LM-82 Scienze statistiche
	LM-83 Scienze statistiche attuariali e finanziarie
	LM-86 Scienze zootecniche e tecnologie animali
	LM-90 Studi europei
	LM-91 Tecniche e metodi per la societa dell'informazione
	LM-92 Teorie della comunicazione
	LM-93 Teorie e metodologie dell'e-learning e della media education
	LM/SNT1 Scienze infermieristiche e ostetriche
	LM/SNT2 Scienze riabilitative delle professioni sanitarie
	LM/SNT3 Scienze delle professioni sanitarie tecniche
	LM/SNT4 Scienze delle professioni sanitarie della prevenzione
	A University degree achieved in Italy, such as University Degree (Italian Laurea) achieved pursuant to the Italian academic system prior to
	Ministerial Decree 509/1999, amended with Ministerial Decree 270/2004; equivalent Advanced Degree (Italian Laurea Specialistica) / Master's Degree (Italian Laurea Magistrale) or any equivalent academic
	Master Degree achieved from foreign Universities. For PhD admission purposes only, the equivalence between degrees
	awarded abroad and the Italian degrees will be assessed by the Board of Examiners.
	The eligibility of the foreign university degree is ascertained by the Board of Examiners of the selection procedure of the PhD Programmes, in compliance with the legislation in force in Italy and in the country where the university degree was awarded, as well as by the Treaties or international agreements on recognition of university degrees for the continuance of studies.
	Bachelor's Degrees are not admitted.
	Undergraduates can apply for admission, but they must have passed the degree examination by the start date of the PhD Programme activities: these candidates are required to provide the marks of the exams taken
	during their undergraduate career.
Total number of posts available	n. 9:
	 n. 7 posts benefiting of a scholarship / other forms of financial support and n. 2 posts without scholarship / other forms of financial support
Posts without a research topic	(CODES A1-A2-A3-A4)
(among those already available)	n. 4 posts for EU and non-EU candidates benefiting of a scholarship
(miles areas, available)	financed by the University of Brescia
Posts linked to a research topic	(CODE B)
(among those already available)	n. 1 post for EU and non-EU candidates benefiting of a scholarship
	co-financed by PNRR funds pursuant to the D.M. 630/2024 and by
	the company GRUPPO CONCORDE S.P.A. having the research
	topic "Sviluppo di protocolli per il benessere lavorativo con l'ausilio di sistemi di
İ	neuroscienze applicate all'innovazione" / "Development of protocols for workplace



	well-being using neuroscience systems applied to innovation"
Out of which reserved posts	(CODES P1-P2)
	n. 2 - A maximum number of 6 posts in all PhD Programmes, financed by maintenance allowance, are reserved to candidates of Pakistani citizenship, in compliance with the MoU signed by The Higher Education Commission, Government of the Islamic Republic of Pakistan (hereinafter referred to as HEC Pakistan) and by the University of Studies of Brescia on 03 December 2020.
Out of which posts not benefiting	(CODES OSB1-OSB2)
a scholarship (among those already available)	- n. 2 posts without scholarship / other forms of financial support
	Selection Procedure
Evaluation of Curriculum Vitae/Publications, etc.	Preliminary, the Board of Examiners evaluates the Curriculum Vitae of the Candidate. The Candidate will be admitted to the qualifications evaluation as a result of the positive relevance assessment between the Curriculum Vitae and the research areas of the PhD Programme.
	Evaluation score: 0-20 points as follows: - Undergraduate University degree final score: 0-10 points or average grade of examinations passed during the course (only for undergraduates who will pass the degree examination by the start date of the PhD Programme activities; - Publications: 0-4 points; - Other qualifications: 0-6 points.
Evaluation of a project proposal	Evaluation of the research project proposal: 0 - 40 points. Only candidates who score at least 24 points in the evaluation of their research proposal will be admitted to the interview.
Interview	The interview includes to discuss about the research project proposal that the candidate presents, the candidate's list of publications and qualifications. The scores granted at the interview: 0 - 40 points
	The interview is passed if a candidate achieves a score of at least 20 points. For candidates who do not understand Italian language, the interview will be held in English language.
	Candidates may be allowed to be interviewed remotely with the use of a video conference application, pursuant to the prescriptions envisaged by Article 8, paragraphs 6 and 7 of the Call for Admission.
Place and date of the interview	The date (and, if needed, the place) of the interview will be published at least 20 days in advance on the UNIBS web site https://www.unibs.it/en/node/1078
Contact information of the PhD	Professor Domenico Russo, Department of Clinical and Experimental
Programme	Sciences, email: domenico.russo@unibs.it
PhD Teaching and research activity	https://permalink.unibs.it/phd/iamed/en

PhD PROGRAMME IN		
BIOMEDICAL SCIENCES AND TRANSLATIONAL MEDICINE		
Scientific areas	05- Biological Sciences; 06-Medical Sciences; 03 -Chemical Sciences	
Macro areas	03/D; 05/A; 05/D; 05/E; 05/G; 06/A; 06/D; 06/F; 06/I; 06/M	
Duration	3 years	
Starting date	November 1st, 2024	



Proponent Structure	Department of Molecular and Translational Medicine
Coordinator	Prof. Alessandra Valerio (Advocate)
Curricula	Neuroscience
	Oncology and Immunology
	Pharmacology and Microbiology
Admission requirements	The following University Degrees achieved in Italy:
-	LM-6 Biology
	LM-7 Agricultural Biotechnologies
	LM-8 Industrial Biotechnologies
	LM-9 Medical, Veterinary and Pharmaceutical Biotechnologies
	LM-13 Pharmacy and Industrial Pharmacy
	LM-17 Physics
	LM-18 Informatics
	LM-21 Biomedical Engineering
	LM-41 Medicine and Surgery
	LM42 Veterinary Medicine
	LM-51 Psychology
	LM-55 Cognitive Sciences LM61 Human Nutrition Sciences
	LM-67 Science and Technology of Preventive and Adaptive Motor Activities
	LM/SNT1 Nursing and Midwifery Sciences
	LM/STN2 Rehabilitation Sciences for Health Professions
	Environmenton ociciees for realth Professions
	A University degree achieved in Italy, such as University Degree (Italian
	Laurea) achieved pursuant to the Italian academic system prior to
	Ministerial Decree 509/1999, amended with Ministerial Decree
	270/2004; equivalent Advanced Degree (Italian Laurea Specialistica) /
	Master's Degree (Italian Laurea Magistrale) or any equivalent academic
	Master Degree achieved from foreign Universities.
	For PhD admission purposes only, the equivalence between degrees
	awarded abroad and the Italian degrees will be assessed by the Board of
	Examiners.
	The eligibility of the foreign university degree is ascertained by the
	Board of Examiners of the selection procedure of the PhD
	Programmes, in compliance with the legislation in force in Italy and in
	the country where the university degree was awarded, as well as by the
	Treaties or international agreements on recognition of university
	degrees for the continuance of studies.
	Bachelor's Degrees are not admitted.
	Undergraduates can apply for admission, but they must have passed the
	degree examination by the start date of the PhD Programme activities:
	these candidates are required to provide the marks of the exams taken
Total manufactures 11.11	during their undergraduate career.
Total number of posts available	n. 12:
	- n. 9 posts benefiting of a scholarship / other forms of financial
	support and
Doots without a married to	- n. 3 posts without scholarship / other forms of financial support
Posts without a research topic	(CODES A1-A2-A3-A4)
(among those already available)	n. 4 posts for EU and non-EU candidates benefiting of a scholarship
Doots linked to a managed to the	financed by the University of Brescia
Posts linked to a research topic	(CODE B)
(among those already available)	



	n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by PNRR funds pursuant to the D.M. 630/2024 and by the company PHRONEMA S.R.L. having the research topic "Analisi morfologica e ottica della struttura corneale: Valutazione dell'interferometria polarimetrica come tecnologia a fini diagnostici e chirurgici" / "Morphological and optical analysis of the corneal structure: Evaluation of polarimetric interferometry as a technology for diagnostic and surgical purposes"
	(CODE C) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the funds released by Dott.ssa Grillo (Ref.: CARIPLO GIOVANI-CUP D53C23000440007), having the research topic "Disfunzione del tessuto adiposo nelle malattie metaboliche" / "Adipose tissue dysfunction in metabolic diseases"
	(CODE D) n. 1 post for candidates being private and public administration employees that envisage the upholding of the salary treatment promoted by Fondazione Serena Onlus-Centro Clinico NeMO, having the research topic "Disfunzioni mitocondriali e neuroinfiammazione nella sclerosi laterale amiotrofica: studio per l'individuazione di nuovi biomarcator?" / "Mitochondrial dysfunction and neuroinflammation in amyotrophic lateral sclerosis: study for the identification of new biomarkers"
Out of which reserved posts	(CODES P1-P2) n. 2 - A maximum number of 6 posts in all PhD Programmes, financed by maintenance allowance, are reserved to candidates of Pakistani citizenship, in compliance with the MoU signed by The Higher Education Commission, Government of the Islamic Republic of Pakistan (hereinafter referred to as HEC Pakistan) and by the University of Studies of Brescia on 03 December 2020.
Out of which posts not benefiting	(CODES OSB1-OSB2-OSB3)
a scholarship (among those already available)	- n. 3 posts without scholarship / other forms of financial support
Selection Procedure	
Evaluation of Curriculum	Maximum score: 30/100
Vitae/Publications, etc.	 Undergraduate University degree final score: maximum score 10 Average grade of examinations passed during the undergraduate course (only for undergraduates who will pass the degree examination by the start date of the PhD Programme activities): maximum score 10 Publications: maximum score 8 Abstracts and presentations to scientific meetings: maximum score 6
Evaluation of a project proposal	- Other qualifications: specialization, research fellowships or contracts; educational courses and stage, conference attendance, English language certificates: maximum score 6 Not envisaged



Interview	Maximum score: 70/100
Interview	,
	The interview will focus on one of the thematic areas of the curriculum
	indicated by the candidate; discussion of the qualifications provided;
	evaluation of the candidate's aptitude and motivation to carry out
	research activities; evaluation of communication skills and the
	knowledge of the English language.
	The Interview is passed if the achieved score is no lower than 30.
	The interview is passed if the achieved score is no lower than 50.
	Knowledge of the Italian language is not required to foreign candidates.
	Candidates may be allowed to be interviewed remotely with the use of a
	video conference application, pursuant to the prescriptions envisaged by
	Article 8, paragraphs 6 and 7 of the Call for Admission.
Place and date of the interview	The date (and, if needed, the place) of the interview will be published at
	least 20 days in advance on the UNIBS web site
	https://www.unibs.it/en/node/1078
Contact information of the PhD	Prof. Alessandra Valerio, e-mail: alessandra.valerio@unibs.it
	1 101. Thessandra vaierio, e-man. alessandra.vaierio@dinbs.it
Programme	
PhD Teaching and research	https://permalink.unibs.it/phd/scienzebio/en
activity	

PhD PROGRAMME IN	
CIVIL AND ENVIRONMEN	NTAL ENGINEERING, INTERNATIONAL COOPERATION AND MATHEMATICS
Scientific areas	01 - Mathematical and Computing Sciences; 02 – Physical Sciences; 04 - Geological Sciences (Scienze della Terra); 06 - Medical Sciences; 07 - Agricultural and Veterinary Sciences; 08a - Civil Engineering; 08b – Architecture; 11a - Historical, Philosophical and Pedagogical Sciences; 13a - Economical and Statistical Sciences.
Macro areas	01/A; 02/A; 04/A; 06/D; 07/D; 07/E; 08/A; 08/B; 08/D; 08/E; 08/F; 11/A; 11/B; 13/D.
Duration	3 years
Starting date	November 1st, 2024
Proposing Structure	Department of Civil, Environmental, Architectural Engineering and Mathematics
Coordinator	Prof. Marco Pilotti (Advocate)
Curricula	The research activity concerns specific topics pertaining to the different curricula: - Appropriate Methodologies and Techniques for International Development Co-operation (Health track and Technology track) - Mathematical Methods and Models for Engineering - Natural Risks Assessment and Management - Structural Rehabilitation of Historical and Modern Buildings - Technologies and Processes for the Environment and Agriculture - Urban Planning and Mobility
Admission requirements	All University Degrees of the type enlisted below are eligible: A University degree achieved in Italy, such as University Degree (Italian Laurea) achieved pursuant to the Italian academic system prior to Ministerial Decree 509/1999, amended with Ministerial Decree 270/2004; equivalent Advanced Degree (Italian Laurea Specialistica) / Master's Degree (Italian Laurea Magistrale) or any equivalent academic Master Degree achieved from foreign Universities.



	For PhD admission purposes only, the equivalence between degrees awarded abroad and the Italian degrees will be assessed by the Board of Examiners. The eligibility of the foreign university degree is ascertained by the Board of Examiners of the selection procedure of the PhD Programmes, in compliance with the legislation in force in Italy and in the country where the university degree was awarded, as well as by the Treaties or international agreements on recognition of university degrees for the continuance of studies.
	Bachelor's Degrees are not admitted.
	Undergraduates can apply for admission, but they must have passed the degree examination by the start date of the PhD Programme activities: these candidates are required to provide the marks of the exams taken during their undergraduate career.
Total number of posts available	n. 20, subdivide as follows:n. 15 posts benefiting of a scholarship / other forms of financial support and
	- n. 5 posts without scholarship / other forms of financial support
Posts without a research topic	(CODES A1-A2-A3)
(among those already available)	n. 3 posts for EU and non-EU candidates benefiting of a scholarship financed by the University of Brescia
Posts linked to a research topic	(CODE B)
(among those already available)	n. 1 post for EU and non-EU candidates benefiting of a scholarship
	co-financed by PNRR funds pursuant to the D.M. 630/2024 and
	by the Centro di Ricerche Sismologiche dell'Istituto Nazionale di Oceanografia e Geofisica Sperimentale – OGS, as well by the funds released by Prof. Tira, having the research topic "La resilienza delle infrastrutture di trasporto e dei sistemi di mobilità in condizioni di rischio fisico (The resilience of transport infrastructures and mobility systems under physical risk)
	n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by PNRR funds pursuant to the D.M. 630/2024 and by the company Villa Franciacorta di Bianchi Alessandro e Roberta S.S. having the research topic "Mappatura del capitale naturale e dei servizi ecosistemici in vigneto" / "Mapping natural capital and ecosystem services in vineyards"
	(CODE D) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by PNRR funds pursuant to the D.M 629/2024 M4C1 – Inv. 4.1, art. 10 – category "Dottorati per il patrimonio culturale" / "PhD Programmes on Cultural Heritage"
	(CODE E) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the funds released by Prof. Gilioli (Ref. Comune di Brescia-CT2022), having the research topic "Modelli di dinamica di popolazioni" / "Population dynamics models"
	(CODE F)



	n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the funds released by Prof. Minelli (Ref. Provincia di Brescia-2022), having the research topic "Rinforzo strutturale di strutture in c.a. e c.a.p. esistenti soggette a degrado severo" / "Structural reinforcement of existing reinforced concrete and prestressed concrete structures subject to severe degradation" (CODE G) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the funds released by Prof. Sesana (Ref. UE-EPCRECAST/MEZEROE), having the research topic "Sviluppo di una metodologia integrata per l'analisi prestazionale di soluzioni d'involucro innovative per edifici sostenibili e
	resilienti, attraverso strumenti di simulazione e di monitoraggio per la valutazione di fabbisogni, emissioni e circolarità" / "Development of an integrated methodology for the performance analysis of innovative envelope solutions for sustainable and resilient buildings, through simulation and monitoring tools for the evaluation of needs, emissions and circularity"
	(CODE H) n. 1 post for EU and non-EU candidates benefiting of a scholarship financed by the Centro di Ricerche Sismologiche dell'Istituto Nazionale di Oceanografia e Geofisica Sperimentale – OGS having the research topic "Urgent computing of ground motion modelling, integrating vulnerability and exposure assessment, to facilitate rapid response to earthquakes"
	(CODE I) n. 1 post for EU and non-EU candidates benefiting of a scholarship financed by the funds released by Prof. Gilioli (Ref. GRANLATTE-CT2022/ERSAF-CT2021), having the research topic "La sostenibilità nei sistemi agro-zootecnici" / "Sustainability in agro-zootechnical systems"
Out of which reserved posts	(CODES P1-P2) n. 2 - A maximum number of 6 posts in all PhD Programmes, financed by maintenance allowance, are reserved to candidates of Pakistani citizenship, in compliance with the MoU signed by The Higher Education Commission, Government of the Islamic Republic of Pakistan (hereinafter referred to as HEC Pakistan) and by the University of Studies of Brescia on 03 December 2020.
	(CODES CH1-CH2) n. 2 posts benefiting of a scholarship, reserved to candidates eligible under the European Call HORIZON-MSCA-2022-COFUND-01-01 "CHORAL". Candidates are in the process of being identified through a separate EU evaluation procedure.
Out of which posts not benefiting a scholarship (among those already available)	(CODES OSB1-OSB2-OSB3-OSB4-OSB5) n. 5 posts without scholarship / other forms of financial support
	Selection Procedure
Evaluation of Curriculum Vitae and academic / professional history / Publications, etc.	University Degree Thesis: up to 10 points. For candidates pending to graduate, at most 10 points will be assigned, according to the following criterion: (average - 101) +1 being the average of the candidate's votes converted into hundredths
	Further qualifications: up to 10 points.



Presentation of a project proposal

The application form must include the presentation of a research project. Those candidates interested in one of the following curricula must submit a research project that fits into one of the topics listed below:

Natural Risks Assessment and Management:

- Hydrological processes and adaptation strategies to variations caused by climatic and anthropogenic stressors. The candidate describes the expected impacts of climate change and of anthropogenic pressures on the hydrologic cycle and possible structural and nonstructural adaptation measures in the urban context or in agriculture.
- Analysis of hydraulic hazard in mountainous and/or highly anthropized areas: the candidate should consider the typical aspects of hydraulic hazard in the Alpine area and show which conceptual schemes and numerical approaches can be used to study flood and debris flow problems in a small basin.

Mathematical Methods and Models for Engineering:

The candidate discusses a research proposal on

- Partial differential equations for the description of physical phenomena. The candidate describes some analytical methods for the qualitative study of the solutions, and techniques for their numerical simulation.
- Models for the mechanics of solids and fluids. The candidate describes modern applications and/or analytical and numerical methods that he/she intends to develop in the doctorate.

Appropriate Methodologies and Techniques for International Development Cooperation:

- Technology track:

The candidate illustrates the main problems related to the management of water for human use in developing contexts. After having hypothesized a specific problem in a context with limited resources, chosen by the candidate, a research project is developed aimed at identifying appropriate solutions to ensure sustainable management of the problem. The proposed research project must clearly present the objectives, methodology and expected scientific results.

- Health track:

With reference to the Sustainable Development Goal (SDG) n. 3 (Ensure health and well-being for all at all ages) and in particular target 3.3 (By 2030, eliminate HIV, tuberculosis and malaria, and control infections by hepatitis viruses, infections transmitted by water and other infectious diseases). The candidate should outline the issues related to tuberculosis in low-resource countries. Taking into consideration a specific context in the Central Asia area, at the candidate's choice, a plan should be developed aimed at reducing the impact of tuberculosis with a 5-year horizon. The candidate is asked to articulate, in order of priority, the problems prevalent in the country and the targeted interventions to mitigate their impact.

Urban Planning and Mobility:

1. Starting from the definition of risk, the candidate develops a possible research topic on risk mitigation, acting on the systemic vulnerability of



an urban area. The research project is part of the development of risk models for the evaluation of the safety of urban systems. As part of the research project, among other things, the PhD student will participate in the implementation of a decision support system for the analysis of the safety performance of an urban and/or extra-urban network.

2. Starting from the definition of resilience, the candidate sets up a research project on the analysis of vulnerability and exposure of transport infrastructures in conditions of physical danger. As part of the research project, the PhD student will participate in the implementation of a decision support system for the analysis of the performance of transport systems. Specifically, the following will be of particular interest: big data analysis in the field of mobility and monitoring of road infrastructures.

Structural Rehabilitation of Historical and Modern Buildings:

- The candidate discusses a research project concerning innovative reinforcement techniques on existing structural elements (of buildings, structures and infrastructures).
- The candidate discusses a research project concerning the use of advanced materials for the structural rehabilitation of existing structural elements (of buildings, structures and infrastructures)

Technologies and Processes for the Environment and Agriculture:

The candidate will propose a research project with a theme concerning one of the following topics:

- 1. The design or management of processes, solutions and technologies for environmental protection and/or environmental remediation;
- 2. Sustainable management of natural resources;
- 3. The minimisation, valorisation and recovery of resources from wastewater and waste of urban or industrial origin in the context of the circular economy;
- 4. The managerial and technological problems inherent in water purification in the light of climate change and emerging pollutants
- 5. The development of production strategies for sustainability in agriculture;
- 6. Technologies for the ecological transition in agriculture;
- 7. The use of agriculture as a landscape management and hydrogeological hazard mitigation technique.
- 8. Analysis and evaluation of biodiversity and ecosystem services

For the posts benefiting a PNRR scholarships:

For the post **CODE B:** benefiting of a scholarship co-financed by PNRR pursuant to the **DM** 630/2024 and by the **Istituto Nazionale di Oceanografia e di Geofisica sperimentale (OGS) di Trieste** within the curriculum " **Urban Planning and Mobility**" the candidate will present a research project on the analysis of vulnerability and exposure of transport infrastructures in conditions of physical danger.

For the post **CODE C:** benefiting of a scholarship co-financed by PNRR pursuant to the **DM 630/2024** and by the company **Villa**



Franciacorta having the research topic "Mappatura del capitale naturale e dei servizi ecosistemici in vigneto" / "Mapping natural capital and ecosystem services in vineyards", the candidate identifies the research methodologies aimed at developing a sustainability assessment system for wineries that refers to vineyard management methods that preserve and enhance natural capital. The assessment system must include the monitoring and representation of biodiversity in its structural and functional components. Starting from these representations, the development of models for the estimation of ecosystem services connected to the vineyard must be foreseen. The results of the research project, through the preparation of a review of the state of the art on the topic and the creation of a digital structure for the systematic collection and processing of data, must be defined to support the introduction of innovations along the entire wine supply chain, promoting the advantages of the ecological transition in wineries.

For the post **CODE D:** benefiting of a scholarship co-financed by PNRR pursuant to the **DM 629/2024 Patrimonio culturale / Cultural Heritage** (Curriculum: "**Structural Rehabilitation of Historical and Modern Buildings**"), Candidates are required to present a research project that falls within the themes reported in Article 10 of the Ministerial Decree n. 629, limited to the CUN areas represented in the DICATAM, and which, in particular, relates to the knowledge, understanding and interpretation of the material, structural, constructive, figurative and symbolic aspects of the architectural heritage, understood as an essential set of theoretical and methodological awareness to guide the identification of the most appropriate strategies for the rehabilitation, protection, conservation and enhancement intervention..

For the post **CODE** E: benefiting of a scholarship co-financed by the University of Brescia and by the funds released by Prof. Gianni Gilioli, having the research topic "Modelli di dinamica di popolazioni" / "Population dynamics models", the application must include the presentation of a report demonstrating the candidate's ability to develop a research project concerning research methodologies aimed at developing mathematical modelling tools to describe the dynamics of structured and unstructured populations. In particular, the candidate must consider the methods for parameterizing the functions of dynamics models in relation to life cycle strategies and related energy aspects. Subsequently, the mathematical tools available for the representation at the population level of the processes described at the individual level and the derivation of population growth models must be reviewed. The results of the research project will have to be explored in light of possible applications in the field of management of natural populations that have impacts on the human economy.

For the post **CODE F:** benefiting of a scholarship co-financed by the University of Brescia and by the funds released by Prof. Fausto Minelli, having the research topic "Rinforzo strutturale di strutture in c.a. e c.a.p. esistenti soggette a degrado severo" / "Structural reinforcement of existing reinforced concrete and prestressed concrete structures subject to severe degradation", the application must include the presentation of a research project, organized as required for the grants of the Curriculum in "Structural Rehabilitation of Historical and Modern Buildings", which



demonstrates the candidate's ability to propose innovative, durable and sustainable solutions in the field of reinforcement of reinforced concrete and pre-stressed concrete elements, with particular attention to existing bridges.

For the post CODE G: benefiting of a scholarship co-financed by the University of Brescia and by the funds released by Prof. Marta Maria Sesana, having the research topic "Sviluppo di una metodologia integrata per l'analisi prestazionale di soluzioni d'involucro innovative per edifici sostenibili e resilienti, attraverso strumenti di simulazione e di monitoraggio per la valutazione di fabbisogni, emissioni e circolarità" / "Development of an integrated methodology for the performance analysis of innovative envelope solutions for sustainable and resilient buildings, through simulation and monitoring tools for the evaluation of needs, emissions and circularity", the application must include the submission of a report demonstrating the candidate's ability to develop a research project related to the sustainability of buildings with in-depth analysis of the following technical architecture topics to achieve the objectives of the research project:

- the development of an integrated analysis methodology for the quantitative assessment of embodied and operational emissions together with the energy needs of the entire building throughout the entire life cycle, supported by a systematic analysis of the state of the art;
- the definition of Performance Indicators for the quantification of parameters relating to (i) energy efficiency, (ii) carbon neutrality and (iii) circularity of buildings;
- the combined use of simulation and monitoring tools for the validation of predicted data with real data, relating to emissions and energy consumption throughout the life cycle of products and systems for the building envelope.

For the post **CODE H:** benefiting of a scholarship financed by the **Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - OGS** having the research topic "Urgent computing of ground motion modeling, integrating vulnerability and exposure assessment, to facilitate rapid response to earthquakes", the candidate discusses a research proposal on the indicated topic.

For the post **CODE I:** benefiting of a scholarship financed **by the funds released by Prof. Gianni Gilioli,** having the research topic "La sostenibilità nei sistemi agro-zootecnici" / "Sustainability in agro-zootechnical systems", the application must include the presentation of a report demonstrating the candidate's ability to develop a research project related to the analysis and management of sustainability in agro-zootechnics. The candidate must discuss how it is possible to evaluate and support the definition of management strategies aimed at optimizing inputs, minimizing environmental impacts and increasing product quality, while preserving animal welfare. The project presented must include the development of adequate quantitative methods aimed at achieving the objective of the research project presented.

In order to correctly evaluate the research project, the candidate must:

• indicate on the research project the reference curriculum or type of scholarship among those listed above he/she refers to



	• Structure the research project paper with a maximum of 25,000
	characters as follows:
	1. Author
	2. Title
	3. A brief literature review
	4. Motivations behind the research
	5. Hypotheses and research design
	6. Methods and tools
	7. References.
	The research project proposal must be uploaded on-line upon submission of the application.
	Maximum score: 40 points.
	Minimum score to be admitted to the interview: 24 points.
Interview	The interview will focus on the PhD Programme main topics and on
	the research project proposal, envisaging a maximum of 40 points.
	Minimum score to pass the interview: 24 points.
	1
	Candidates may be allowed to be interviewed remotely with the use of
	a video conference application, pursuant to the prescriptions envisaged
	by Article 8, paragraphs 6 and 7 of the Call for Admission.
Place and date of the interview	The date (and, if needed, the place) of the interview will be published at
	least 20 days in advance on the UNIBS web site
	https://www.unibs.it/en/node/1078
Academic contact information of	By Curricula
the PhD Programme	- Appropriate Methodologies and Techniques for International
	Development Cooperation: sabrina.sorlini@unibs.it
	- Mathematical Methods and Models for Engineering:
	hynek.kovarik@unibs.it
	- Natural Risks Assessment and Management:
	giovanna.grossi@unibs.it
	- Structural Rehabilitation of Historical and Modern Buildings:
	fausto.minelli@unibs.it
	- Technologies and Processes for the Environment and Agriculture:
	stefano.barontini@unibs.it
	- Urban Planning and Mobility: michele.pezzagno@unibs.it
Teaching and research PhD	https://permalink.unibs.it/phd/dicacim/en
activity	https://permalink.unibs.it/phd/dicacim/site

PhD PROGRAMME IN	
ENERGY TRANSITIO	N AND SUSTAINABLE PRODUCTION SYSTEMS
Scientific areas	01 - Mathematical and computer sciences; 02 – Physical Sciences; 03 –
	Chemical Sciences; 08 - Civil Engineering and Architecture; 09 -
	Industrial and Information Engineering; 12 - Law; 13 - Economic and
	statistical sciences; 14 – Political and Social Sciences
Macro areas	01/A - mathematical analysis, probability and mathematical statistics;
	02/A - Physics of Fundamental Interactions; 03/B - Inorganic
	Chemistry and Applied Technologies; 08/B - Structural and
	Geotechnical Engineering; 09/A – Mechanical and Aerospace
	Engineering and Naval Architecture; 09/B – Manufacturing, Industrial
	an Management Engineering; 09/C – Energy, Thermomechanical and
	Nuclear Engineering; 09/D - Chemical and Materials Engineering;
	09/E – Electrical and Electronic Engineering and Measurements; 09/G
	- Systems Engineering and Bioengineering; 12/E - International,



	European Union, Comparative, Economic and Market Law; 13/A -
	Economy; 14/D - Sociology of economic processes, work,
	environment and territory.
Duration	3 years
Starting date	November 1st, 2024
Proponent Structure	Department of Mechanical and Industrial Engineering
Coordinator	Prof. Marialuisa Volta
Curricula	- Curriculum in Energy Transition - Curriculum in Sustainable production systems
Admission requirements	All University Degrees of the type enlisted below are eligible:
	A University degree achieved in Italy, such as University Degree (Italian Laurea) achieved pursuant to the Italian academic system prior to Ministerial Decree 509/1999, amended with Ministerial Decree 270/2004; equivalent Advanced Degree (Italian Laurea Specialistica) / Master's Degree (Italian Laurea Magistrale) or any equivalent academic Master Degree achieved from foreign Universities. For PhD admission purposes only, the equivalence between degrees awarded abroad and the Italian degrees will be assessed by the Board of Examiners. The eligibility of the foreign university degree is ascertained by the Board of Examiners of the selection procedure of the PhD Programmes, in compliance with the legislation in force in Italy and in the country where the university degree was awarded, as well as by the Treaties or international agreements on recognition of university degrees for the continuance of studies. Bachelor's Degrees are not admitted.
	Undergraduates can apply for admission, but they must have passed the degree examination by the start date of the PhD Programme activities: these candidates are required to provide the marks of the exams taken
	during their undergraduate career.
Total number of posts available	n. 12 - n. 9 posts benefiting of a scholarship or other forms of financial support
Total number of posts available Posts without a research topic (among those already available)	n. 12 - n. 9 posts benefiting of a scholarship or other forms of financial
Posts without a research topic	 n. 12 n. 9 posts benefiting of a scholarship or other forms of financial support n. 3 posts without scholarship or other financial support. (CODES A1-A2-A3-A4) n. 4 posts for EU and non-EU candidates benefiting of a scholarship



	flessibilità, reattività e sostenibilità" / "Integration of Additive Manufacturing technology in the industrial context for better management of all production resources ensuring greater flexibility, reactivity and sustainability"
	(CODE D)
	(CODE D)
	n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the funds of prof.
	Simone Zanoni - Department of Civil Engineering, Architecture,
	Territory, Environment and Mathematics (Ref.: ICEE-UE), having
0 . 6 1:1	the research topic "Boosting energy transition of food supply chains"
Out of which reserved posts	(CODES P1-P2)
	n. 2 -A maximum number of 6 posts in all PhD Programmes,
	financed by maintenance allowance, are reserved to candidates of
	Pakistani citizenship, in compliance with the MoU signed by The
	Higher Education Commission, Government of the Islamic Republic of Pakistan
	(hereinafter referred to as HEC Pakistan) and by the University of
	Studies of Brescia on 03 December 2020.
Out of which posts not benefiting	(CODES OSB1-OSB2-OSB3)
a scholarship (among those	- n. 3 posts without scholarship / other forms of financial support
already available)	
	Selection Procedure
Evaluation of Curriculum Vitae	Maximum score: 20/100.
and academic / professional	T21: 11 1 1
history / Publications, etc.	Eligible documentation:
	- University curriculum, including the specification of the degree
	achieved or to be achieved, title and one - page summary of the Master
	thesis (or of a document similar to the thesis drawn up during the
	foreign university course for candidates having an eligible University
	Degree achieved in a non-Italian University), and transcript of academic
	records
	- Scientific publications
	- Any other supporting documentation and qualifications that can be
	considered relevant and useful for the admission evaluation process.
Evaluation of a project proposal	Maximum score for the research project proposal: 40/100
	The account against against he submitted on line is inthe with
	The research project proposal must be submitted on-line jointly with
	the admission form. The topic of the research project must fall within
	research activities that are relevant to any of the curricula of the PhD
	Programme.
	The research project must be presented as a written proposal, in either
	Italian or English, with a maximum length of 25.000 characters
	(excluding spaces), and should be organized as follows:
	1. Author 2. Title
	3. Summary of State-of-the-art
	4. Main motivations and goals of the proposed research proposal
	5. Detailed description of the research project
	6. Proposed scientific methodology
	7. Bibliographic references.
	Only candidates who score at least 24 points in the evaluation of their
	research proposal will be admitted to the interview.
Interview	Maximum score at the interview: 40/100
Interview	maximum score at the interview. 10/100



	The interview will focus to discuss about the research project, about the publications and the academic and professional qualifications outlined by the candidate. The interview is inclusive of the evaluation of the knowledge of the English language.
	Only candidates who score at least 24 points in the interview will be considered eligible.
	Candidates may be allowed to be interviewed remotely with the use of a video conference application, pursuant to the prescriptions envisaged by Article 8, paragraphs 6 and 7 of the Call for Admission.
Place and date of interview	The date (and, if needed, the place) of the interview will be published
	at least, 20 days in advance on the UNIBS web site
	https://www.unibs.it/en/node/1078
Academic contact information of	Prof. Marialuisa Volta, email: marialuisa.volta@unibs.it
the PhD Programme	
Teaching and research PhD	https://permalink.unibs.it/phd/tesps/en
activity	https://permalink.unibs.it/phd/tesps/site

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PhD PROGRAMME IN	
	INFORMATION ENGINEERING
Scientific areas	09 - Industrial and Information Engineering; 01 - Mathematical and
	Information Sciences; 02 – Physical Sciences; 03 – Chemical Sciences
Macro areas	01/A Mathematics
	01/B Computer Technology
	02/B Physics of Matter
	02/A Physics of Fundamental Interactions
	03/A - Analytical, Physical-chemistry
	03/B - Inorganic-technological
	03/C - Organic-Industrial
	05/E - Biochemistry and experimental and clinical molecular biology
	07/E – Chemistry and agricultural genetics
	09/E Electrical Engineering, Electronics and Measures
	09/F Telecommunications Engineering and Electromagnetic Fields
	09/G Systems and Bio Engineering
	09/H Computer Engineering
Duration	3 years
Starting date	November 1st, 2024
Proponent Structure	University of Brescia, Department of Information Engineering
Coordinator	Prof. Ivano Alessandri
Curricula	- Curriculum in Electronic Engineering, Sensors and Instrumentation
	- Curriculum in Computer Science/Engineering and Control Systems
	- Curriculum in Telecommunication Engineering
	- Curriculum in Physical, Chemical and Mathematical Sciences for
	Engineering
	NOTE C 1:14
	NOTE: Candidates are requested to attach to their submitted admission
	form a written list, ordered by preference, of the curricula they are interested
	in. Otherwise, candidates admitted to the interview shall express their
A 1	preference of curricula at the interview.
Admission requirements	All types of University degree.
	A University degree achieved in Italy, such as University Degree (Italian
	Laurea) achieved pursuant to the Italian academic system prior to Ministerial
	1 - action, define to a parsuant to the runan academic system prior to ministenar



	Decree 509/1999, amended with Ministerial Decree 270/2004; equivalent Advanced Degree (Italian Laurea Specialistica) / Master's Degree (Italian Laurea Magistrale) or any equivalent academic Master Degree achieved from foreign Universities.
	For PhD admission purposes only, the equivalence between degrees awarded abroad and the Italian degrees will be assessed by the Board of Examiners.
	The eligibility of the foreign university degree is ascertained by the Board of Examiners of the selection procedure of the PhD Programmes, in compliance with the legislation in force in Italy and in the country where the university degree was awarded, as well as by the Treaties or international agreements on recognition of university degrees for the continuance of studies.
	Bachelor's Degrees are not admitted.
	Undergraduates can apply for admission, but they must have passed the degree examination by the start date of the PhD Programme activities: these candidates are required to provide the marks of the exams taken during their undergraduate career.
	Preferential requirement is the relevance of the undergraduate University Degree awarded in the topics of the PhD Programme of Information Engineering.
Total number of posts available	n. 14: - n. 11 posts benefiting of a scholarship / other forms of financial support, among which 2 scholarships within the Italian NPRR National Recovery and Resilience Plan - Next Generation EU Fund, Ministerial Decree n. 118/2023 - n. 3 posts without scholarship / other forms of financial support
Posts without a research topic (among those already available)	(CODES A1-A2-A3) n. 3 posts for EU and non-EU candidates benefiting of a scholarship financed by the University of Brescia
	(CODE B) n. 1 post for candidates being private and public administration employees that envisage the upholding of the salary treatment promoted by the company APOGEO SPACE S.R.L.
Posts linked to a research topic (among those already available)	(CODE C) n. 1 post for EU and non-EU candidates benefiting of a scholarship co- financed by PNRR funds pursuant to the D.M. 630/2024 and by the company INXENSE S.R.L. having the research topic "Studio e sviluppo di sensori innovativi per la realizzazione di smart objects" / "Study and development of innovative sensors for the creation of smart objects"
	(CODE D) n. 1 post for EU and non-EU candidates benefiting of a scholarship co- financed by PNRR funds pursuant to the D.M. 630/2024 and by the company PROSPECTO S.R.L. having the research topic "Intelligenza Artificiale applicata ai Sistemi di Visione per l'Agricoltura di Precisione" / "Artificial Intelligence applied to Vision Systems for Precision Agriculture"
	(CODE E) n. 1 post for EU and non-EU candidates benefiting of a scholarship co- financed by PNRR funds pursuant to the DM 629/2024 M4C1 – Inv.



	4.1, art. 7 – category "Transizioni digitali ed ecologiche" / "Digital and
	ecological transitions"
	(CODE F)
	n. 1 post for EU and non-EU candidates benefiting of a scholarship co -
	financed by the University of Brescia and by the funds of the project
	"Sustainable Mobility Center MOST" (CN4 - CUP D83C22000690001),
	Spoke N° 7 "CCAM, Connected networks and Smart Infrastructure
	(Resp. prof. Lo Cigno), having the research topic "Le reti veicolari, la guida
	cooperativa e le metodologie di percezione collaborativa attraverso le comunicazioni e la caratterizzazione/analisi del canale di comunicazione elettromagnetico al fine di migliorare
	la sicurezza stradale e di abilitare gli spazi di mobilità intelligente, sia per i veicoli che per
	gli utenti vulnerabili (pedoni, ciclisti,)" / "Vehicular networks, cooperative driving and
	collaborative perception methodologies through communications and the
	characterization/analysis of the electromagnetic communication channel in order to improve
	road safety and enable intelligent mobility spaces, both for vehicles and users vulnerable
	(pedestrians, cyclists,)"
	(CODE G)
	n. 1 post for EU and non-EU candidates benefiting of a scholarship co-
	financed by the University of Brescia and by the funds of the project
	Bando a Cascata Spoke 6 – Università di Catania/Programma
	RESTART-SEXTET (CUP E63C22002070006) "Energy-efficient
	Methods and enaBling technologies for communications, netwoRking, infrastructures and smArt services in Challenging
	Environments (EMBRACE) (Resp. prof. Gringoli), having the
	research topic "La caratterizzazione dei canali di comunicazione wireless con
	particolare attenzione ai canali presenti negli ambienti di propagazione estremi" / "The
	characterization of wireless communication channels with particular attention to channels
0.4 of 12-1 man at marks	present in extreme propagation environments"
Out of which reserved posts	(CODES P1-P2) n. 2 - A maximum number of 6 posts in all PhD Programmes, financed
	by maintenance allowance, are reserved to candidates of Pakistani
	citizenship, in compliance with the MoU signed by The Higher Education
	Commission, Government of the Islamic Republic of Pakistan (hereinafter
	referred to as HEC Pakistan) and by the University of Studies of Brescia on
Out of which posts not	03 December 2020. (CODES OSB1-OSB2-OSB3)
benefiting a scholarship	- n. 3 posts without scholarship / other forms of financial support
(among those already	r maile at contemp, , can a tourist of maile at opposit
available)	
	Selection Procedure
Evaluation of Curriculum	Maximum score: 20/100
Vitae/Publications, etc.	Eligible documentation:
	- University curriculum, including the specification of the degree achieved or
	to be achieved, title and one-page summary of the Master thesis, and
	transcript of academic records taken to obtain the degree and
	specialist/master's degree or, for candidates with eligible title obtained in a
	non-Italian University, a document analogous and equivalent to the Master thesis.
	- Previous study experience in prominent international research centers
	- Any other supporting documentation and qualifications that can be
	considered relevant and useful for the admission evaluation process.
Evaluation of a project	Maximum score for the research project proposal: 40/100



proposal	
proposal	The account project proposal project to submitted only - injetter with the
	The research project proposal must be submitted online jointly with the admission form.
	The topic of the research project must fall within research activities that are
	relevant to any of the curricula of the PhD Programme.
	The research project must be presented as a written proposal, in either Italian
	or English, with a maximum length of 25.000 characters (excluding spaces),
	and should be organized as follows:
	1. Author 2. Title
	3. Summary of State-of-the-art
	4. Main motivations and goals of the proposed research proposal
	5. Detailed description of the research project
	6. Proposed scientific methodology
	7. Bibliographic references.
	Only candidates who score at least 24 points in the evaluation of their
	research proposal will be admitted to the interview.
Interview	Maximum score for the interview: 40/100
Interview	Maximum score for the interview. 40/100
	Interview includes to discuss on the research project proposal the candidates'
	present; on the possible list of publications and qualifications presented by
	the candidate, and an oral evaluation of English language skills.
	Candidates may be allowed to be interviewed remotely with the use of a video
	conference application, pursuant to the prescriptions envisaged by Article 8,
	paragraphs 6 and 7 of the Call for Admission.
Place and date of the	The date (and, if needed, the place) of the interview will be published at least
interview	20 days in advance on the UNIBS web site
	https://www.unibs.it/en/node/1078
Contact information of the	Prof. Ivano Alessandri: <u>ivano.alessandri@unibs.it</u> ;
PhD Programme	Mrs. Rosaria Nardo – Secretariat Department of Information Engineering:
	rosaria.nardo@unibs.it
PhD Teaching and research	https://permalink.unibs.it/phd/drii/site
activity	https://permalink.unibs.it/phd/drii/en

PhD PROGRAMME IN	
MECHANICAL AND INDUSTRIAL ENGINEERING	
Scientific areas	01 – Mathematical and Information Sciences; 02 – Physical Sciences; 03
	- Chemical Sciences; 08 - Civil Engineering and Architecture; 09 -
	Industrial and Information Engineering; 12 - Law Sciences; 13 -
	Economical and Statistical Sciences; 14 – Social and Political Sciences
Macro areas	01/A - mathematical analysis, probability and mathematical statistics
	02/A – Physics of Fundamental Interactions
	03/B - Inorganic Chemistry and Applied Technologies
	08/B – Structural and Geotechnical Engineering
	09/A – Mechanical and Aerospace Engineering and Naval
	Architecture
	09/B – Manufacturing, Industrial and Management Engineering.
	09/C – Energy, Thermomechanical and Nuclear Engineering
	09/D – Chemical and Materials Engineering
	09/E – Electrical and Electronic Engineering and Measurements
	09/G – Systems Engineering and Bioengineering
	12/E – International, European Union, Comparative, Economic and
	Market Law



	13/A - Economy
	14/D – Sociology of economic processes, work, environment and
	territory.
Duration	3 years
Starting date	November 1st, 2024
Proponent Structure	Department of Mechanical and Industrial Engineering
Coordinator	Prof. Pietro Poesio
Curricula	Smart Factory and Advanced Manufacturing Industry
Curricula	Sustainable Mobility
	Health and Well-being
	Production systems, safety, environment, and quality of work
	Development of basic and methodological knowledge
Admission requirements	All University Degrees of the type enlisted below are eligible.
ramosion requiements	The Chiversity Degrees of the type chilisted below are engine.
	A University degree achieved in Italy, such as University Degree (Italian
	Laurea) achieved pursuant to the Italian academic system prior to
	Ministerial Decree 509/1999, amended with Ministerial Decree
	270/2004; equivalent Advanced Degree (Italian Laurea Specialistica) /
	Master's Degree (Italian Laurea Magistrale) or any equivalent academic
	Master Degree achieved from foreign Universities.
	For PhD admission purposes only, the equivalence between degrees
	awarded abroad and the Italian degrees will be assessed by the Board of
	Examiners.
	The eligibility of the foreign university degree is ascertained by the
	Board of Examiners of the selection procedure of the PhD
	Programmes, in compliance with the legislation in force in Italy and in
	the country where the university degree was awarded, as well as by the
	Treaties or international agreements on recognition of university
	degrees for the continuance of studies.
	Bachelor's Degrees are not admitted.
	Undergraduates can apply for admission, but they must have passed the
	degree examination by the start date of the PhD Programme activities:
	these candidates are required to provide the marks of the exams taken
	during their undergraduate career.
	Proficiency in English is required
Total number of posts available	n. 14:
	- n. 11 posts benefiting of a scholarship / other forms of financial
	support and
Dodo	- n. 3 posts without scholarship / other forms of financial support
Posts without a research topic	(CODICE A1-A2-A3)
(among those already available)	n. 3 posts for EU and non-EU candidates benefiting of a scholarship
Dogto linked to a massarch tonic	financed by the University of Brescia
Posts linked to a research topic	(CODE B)
(among those already available)	n. 1 post for EU and non-EU candidates benefiting of a scholarship
	co-financed by PNRR funds pursuant to the D.M. 630/2024 and by the Istituto dei Sistemi e delle Tecnologie Industriali e
	Intelligenti per il Manifatturiero Avanzato del Consiglio
	Nazionale delle Ricerche (STIIMA-CNR) having the research
	topic "Sistemi di misura dell'interazione di persone con robot tramite eye tracking
	e sistemi indossabili" / "Systems for measuring the interaction of people with robots
	via eye tracking and wearable systems"
	νω όγο νταθώτης απά ποατάσιο δγείοντε



	(CODE C) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by PNRR funds pursuant to the D.M. 630/2024 and by the Istituto dei Sistemi e delle Tecnologie Industriali e Intelligenti per il Manifatturiero Avanzato del Consiglio Nazionale delle Ricerche (STIIMA-CNR) having the research topic "Sviluppo di soluzioni robotizzate per la manipolazione e l'assemblaggio di schede rigido-flex" / "Development of robotic solutions for the manipulation and assembly of rigid-flex boards"
	(CODE D) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by PNRR funds pursuant to the D.M. 630/2024 and by the company ECOTRE VALENTE S.R.L. having the research topic "Creazione di uno strumento digitale per la generazione automatica di attrezzature dedicate al colaggio di lingotti in acciaio tramite l'utilizzo del software della simulazione della colata ProCAST" / "Set up of a digital tool for the automatic generation of equipment dedicated to the casting of steel ingots using the ProCAST casting simulation software"
	(CODE E) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by PNRR funds pursuant to the DM 629/2024 M4C1 – Inv. 4.1, art. 8 – category "Dottorati di ricerca PNRR" / "PhD Programmes PNRR"
	(CODE F) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the funds of professors Ghidoni and Poesio (Ref: GHIDONI-TURBO/SMARTFASCHION 2017/HW MIRACLE 2017), having the research topic "Ottimizzazione aerodinamica per applicazioni turbomacchinistiche basata su machine learning/Aerodynamic shape optimization based on machine learning for turbomachinery applications"
	(CODE G) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the project funds Sustainable Mobility Center - MOST (CN4) - CUP D83C22000690001 Spoke 11: "Innovative Materials & Lightweighting" e PROLAB-2197 (Resp. prof.ssa Pola), having the research topic "Materiali e alleggerimento per la mobilità sostenibile" / "Materials and lightening for sustainable mobility"
Out of which reserved posts	(CODES P1-P2)
	n. 2 - A maximum number of 6 posts in all PhD Programmes, financed by maintenance allowance, are reserved to candidates of Pakistani citizenship, in compliance with the MoU signed by The Higher Education Commission, Government of the Islamic Republic of Pakistan (hereinafter referred to as HEC Pakistan) and by the University of Studies of Brescia on 03 December 2020.
Posts without a research topic (among those already available)	(CODES OSB1-OSB2-OSB3) - n. 3 posts without scholarship / other forms of financial support
(mining more aneway available)	Selection Procedure
Evaluation of Curriculum Maximum score: 20/100	
Evaluation of Curriculum	Maximum score: 20/100



Vitae / Dublications ata	
Vitae/Publications, etc.	Elicible de aumentations
	Eligible documentation: - University curriculum, including the specification of the degree achieved or to be achieved, title and one - page summary of the Master thesis (or of a document similar to the thesis drawn up during the foreign university course for candidates having an eligible University Degree achieved in a non-Italian University), and the transcript of academic records - Scientific publications - Any other supporting documentation and qualifications that can be considered relevant and useful for the admission evaluation process.
Evaluation of a project proposal	Maximum score for the research project proposal: 40/100
	The research project proposal must be submitted on-line jointly with the admission form. The topic of the research project must fall within research activities that are relevant to any of the curricula of the PhD Programme. The research project must be presented as a written proposal, in either Italian or English, with a maximum length of 25.000 characters (excluding spaces), and should be organized as follows: 1. Author
	2. Title
	3. Summary of State-of-the-art
	 4. Main motivations and goals of the proposed research proposal 5. Detailed description of the research project 6. Proposed scientific methodology 7. Bibliographic references.
	Only candidates who score at least 24 points in the evaluation of their research proposal will be admitted to the interview.
Interview	Maximum score for the oral: 40/100
	The interview will focus to discuss about the academic and professional qualifications outlined by the candidate, on a thematic area of the PhD Programme and will be designed to assess the motivation and ability of the candidate to scientific research. The interview is inclusive of the evaluation of the knowledge of the English language. Only candidates who score at least 24 points in the interview will be considered eligible.
	Candidates may be allowed to be interviewed remotely with the use of a video conference application, pursuant to the prescriptions envisaged by Article 8, paragraphs 6 and 7 of the Call for Admission.
Place and date of the interview	The date (and, if needed, the place) of the interview will be published at least 20 days in advance on the UNIBS web site https://www.unibs.it/en/node/1078
Contact information of the PhD	Prof. Pietro Poesio, email: pietro.poesio@unibs.it
Programme	1101. 11ctio 1 ocsio, cinan. pictro-pocsiola timosit
PhD Teaching and research	https://permalink.unibs.it/phd/drimi/site
activity	https://permalink.unibs.it/phd/drimi/en
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PhD PROGRAMME IN	
MOLECULAR GENETICS, BIOTECHNOLOGIES AND EXPERIMENTAL MEDICINE	
Scientific areas	02 – Physical Sciences; 05 – Biological Sciences; 06 – Medical Sciences
Macro areas	02/D; 05/E; 05/F; 05/H; 05/I; 06/A; 06/C; 06/D; 06/F; 06/G; 06/H;



	06/M; 06/N; 11/E
Duration	3 years
Starting date	November 1st, 2024
Proponent Structure	Department of Molecular and Translational Medicine
Coordinator	Prof. Eugenio Monti
Curricula	- Molecular Genetics Applied to Medical Sciences
	- Biotechnologies for the Health and the Environment
	- Forensic Medical Sciences
Admission requirements	LMG/01 University Degree in Law
	LM-6 Biology
	LM-7 Agricultural Biotechnologies
	LM-8 Industrial Biotechnologies
	LM-9 Medical, Veterinary and Pharmaceutical Biotechnologies
	LM-13 Pharmacy and Industrial Pharmacy
	LM-17 Physics
	LM-18 Computing LM-21 Biomedical Engineering
	LM-22 Chemical Engineering
	LM-41 Medicine and Surgery
	LM-42 Veterinary Medicine
	LM-46 Dentistry and dental prostheses
	LM-51 Psychology
	LM-54 Chemical Sciences
	LM-55 Cognitive Sciences
	LM-70 Food Sciences and Technologies
	LM-82 Statistical Sciences
	A University degree achieved in Italy, such as University Degree (Italian Laurea) achieved pursuant to the Italian academic system prior to Ministerial Decree 509/1999, amended with Ministerial Decree 270/2004; equivalent Advanced Degree (Italian Laurea Specialistica) / Master's Degree (Italian Laurea Magistrale) or any equivalent academic Master Degree achieved from foreign Universities. For PhD admission purposes only, the equivalence between degrees awarded abroad and the Italian degrees will be assessed by the Board of Examiners.
	The eligibility of the foreign university degree is ascertained by the Board of Examiners of the selection procedure of the PhD Programmes, in compliance with the legislation in force in Italy and in the country where the university degree was awarded, as well as by the Treaties or international agreements on recognition of university degrees for the continuance of studies.
	Bachelor's Degrees are not admitted.
	Undergraduates can apply for admission, but they must have passed the degree examination by the start date of the PhD Programme activities: these candidates are required to provide the marks of the exams taken during their undergraduate career.
	Proficiency in English is required.
Total number of posts available	n. 9:
or book available	- n. 7 posts benefiting of a scholarship / other forms of financial
	support and
	1 - Tr



	- n. 2 post without scholarship / other forms of financial support
Posts without a research topic	(CODES A1-A2-A3-A4)
(among those already available)	n. 4 posts for EU and non-EU candidates benefiting of a scholarship
	financed by the University of Brescia
Posts linked to a research topic	(CODE B)
(among those already available)	n. 1 post for EU and non-EU candidates benefiting of a scholarship
	co-financed by PNRR funds pursutan to the D.M. 630/2024 and by
	the company GIULIANI S.P.A. having the research topic
	"Microbioma dello scalpo e interattoma" / "Scalp microbiome and interactome"
Out of which reserved posts	(CODES P1-P2)
	n. 2 - A maximum number of 6 posts in all PhD Programmes,
	financed by maintenance allowance, are reserved to candidates of
	Pakistani citizenship, in compliance with the MoU signed by The
	Higher Education Commission, Government of the Islamic Republic
	of Pakistan (hereinafter referred to as HEC Pakistan) and by the
	University of Studies of Brescia on 03 December 2020.
Out of which posts not benefiting	(CODES OSB1-OSB2)
a scholarship (among those	n. 2 posts without scholarship / other forms of financial support
already available)	
	Selection Procedure
Evaluation of Curriculum	Maximum score 25 points, as follows:
Vitae/Publications, etc.	- Master's Degree final maximum score: 7. If the candidate is not yet
	graduated, instead of the final grade the average grade of the passed
	exams will be taken into consideration
	- Publications and abstracts in extenso, maximum score: 6
	- Other qualifications (specialization, master, lab training, conference
	attendance, language certificates, PhD Degrees, etc.); maximum score:
	6
	- Other activities (research, professional activities, etc.) that are relevant
	for the PhD Programme or one of the curricula); maximum score: 6.
Evaluation of a project proposal	Not envisaged
Interview	The interview has a maximum score of 75 points.
	The interview is passed if the candidate obtains a mark of at least 45.
	The interview will focus to discuss the candidates' qualifications
	provided; on a thematic area of at least one of the curricula indicated by
	the candidate and will be designed to assess the motivation and ability
	of the candidate to scientific research. The interview is inclusive of the
	evaluation of the knowledge of the English language.
	Candidates may be allowed to be interviewed remotely with the use of a
	video conference application, pursuant to the prescriptions envisaged by
	Article 8, paragraphs 6 and 7 of the Call for Admission.
	Article o, paragraphs o and 7 of the Can for Admission.
	Those candidates taking the interview remotely must enclose in their
	online application the "On-line interview form", downloadable from
	the website, duly completed and signed, also indicating your remote
	connection contact.
Place and date of the interview	The date (and, if needed, the place) of the interview will be published at
I mee mid dute of the littlylew	least, 20 days in advance on the UNIBS web site
	https://www.unibs.it/en/node/1078
Contact information of the PhD	Prof. Eugenio Monti, email: eugenio.monti@unibs.it
Programme	1 101. Dagemo Mona, eman. eagemo.mona@umbs.it
PhD Teaching and research	https://permalink.unibs.it/phd/genetica/en
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al Sciences, 03-Chemical Sciences, 05-Biological Sciences; 06-
ciences
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	Bachelor's Degrees are not admitted.
	Undergraduates can apply for admission, but they must have passed the degree examination by the start date of the PhD Programme activities: these candidates are required to provide the marks of the exams taken during their undergraduate career.
Total number of posts available	n. 13 :
	n. 10 posts benefiting of a scholarship / other forms of financial support and - n. 3 posts without scholarship / other forms of financial support
Posts without a research topic (among those already available)	(CODES A1-A2-A3) n. 3 posts for EU and non-EU candidates benefiting of a scholarship financed by the University of Brescia
Posts linked to a research topic (among those already available)	(CODE B) n. 1 post for candidates being private and public administration employees that envisage the upholding of the salary treatment promoted by ASST SPEDALI CIVILI - S.C. Clinical Trial Center e Studi di Fase I-Ricerca e Innovazione, Laboratorio di Ricerca C.R.E.A., having the research topic "Nuovi farmaci per il trattamento delle neoplasie plasmacellulari" / "New drugs for the treatment of plasma cell neoplasms"
	(CODE C) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the funds released by Prof. Sigala (Ref.: AIRC-IG 2022-27233 - CUP D73C23000130007), having the research topic "Pharmacological and clinical strategies to improve efficacy of adrenocortical carcinoma to immune checkpoint inhibitors"
	(CODE D) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the funds relesead by Prof. Giacomini (Ref.: AIRC - IG 28939), having the research topic "Blocking the FGF/FGFR system as a new therapeutic startegy for c-Mycdriven aggressive B-cell non-Hodgkin lymphoma"
	(CODE E)
	n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the funds released by Prof. Pizzi – contact person Prof. Bellucci (Ref.: PRIN2022), having the research topic "A novel therapeutic compound to hinder alphasynuclein pathology in Parkinson's disease"
	(CODE F)
	n. 1 post for EU and non-EU candidates benefiting of a scholarship financed by the Italian CNR-Consiglio Nazionale delle Ricerche / Istituto di Scienze e Tecnologie Chimiche "G. Natta"), having the research topic "Sviluppo di Metodi integrati di purificazione a analisi di Nano-particelle biologiche" / "Development of integrated methods for purification and analysis of biological nanoparticle"
Out of which reserved posts	(CODES P1-P2) n. 2 - A maximum number of 6 posts in all PhD Programmes,



	financed by maintenance allowance, are reserved to candidates of
	Pakistani citizenship, in compliance with the MoU signed by The
	Higher Education Commission, Government of the Islamic Republic
	of Pakistan (hereinafter referred to as HEC Pakistan) and by the
	University of Studies of Brescia on 03 December 2020.
Out of which posts not benefiting	(CODES OSB1-OSB2-OSB3)
a scholarship (among those	n. 3 posts without scholarship / other forms of financial support
already available)	
	Selection Procedure
Evaluation of Curriculum	Maximum score: 30/100
Vitae/Publications, etc.	- Undergraduate University degree final score: maximum score 20/100
	- Average grade of examinations passed during the course (only for
	undergraduates who will pass the degree examination by the start date
	of the PhD Programme activities): maximum score 20/100
	- Publications: maximum score 4/100
	- Presentations to scientific meetings: maximum score 2/100
	- Post-graduate specialization degrees: maximum score 1/100
	- Other qualifications: educational courses and stages, conference
E-sheating of a majort managed	attendance, English language certificates: maximum score 3/100.
Evaluation of a project proposal	Not envisaged
Interview	Maximum score: 70/100
	Interview on one of the thematic areas of the curriculum indicated by
	the candidate; it envisages to discuss about the candidates' qualifications
	provided; evaluation of the knowledge of English language; evaluation
	of communication skill and motivation to research.
	The interview is passed if the achieved score is no lower than 30/100.
	Knowledge of the Italian language is not required to foreign candidates.
	Candidates may be allowed to be interviewed remotely with the use of a
	video conference application, pursuant to the prescriptions envisaged by
	Article 8, paragraphs 6 and 7 of the Call for Admission.
Place and date of the interview	Interviews are scheduled to be held on September 5th and 6th, 2024 at
Trace and date of the interview	
	9:00 a.m (Italian Time) at Aula B2 polifunzionale (Room B2
	polifunzionale) at the Department of Molecular and Translational
	Medicine in viale Europa n. 11, Università degli Studi di Brescia, Brescia,
	Italy. For those candidates allowed to be interviewed remotely pursuant
	to Article 8 paragraphs 6 and 7 of the Call for Admission the Google
	Meet link is: meet.google.com/xoj-rvio-ftf
Contact information of the PhD	Precision Medicine Secretariat: segreteria.precisionmedicine@unibs.it
Programme	
PhD Teaching and research	https://permalink.unibs.it/phd/precmed/en
activity	

PhD PROGRAMME IN RIGHTS, PERSON, INNOVATION AND MARKET	
Scientific areas	Area 12 (Law Sciences)
Macro areas	IUS/01, IUS/02, IUS 03, IUS/04, IUS/07, IUS/08, IUS/09, IUS/10, IUS 11, IUS/12, IUS/13, IUS 14, IUS/15, IUS 16, IUS/17, IUS/18, IUS 19, IUS 20, IUS/21
Duration	3 years
Starting date	November 1st, 2024
Proponent Structure	Department of Law



Coordinator	Prof. Luca Mario Masera
Curricula	Not Envisaged
Duration	All University Degrees of the type enlisted below are eligible:
	A University degree achieved in Italy, such as University Degree (Italian Laurea) achieved pursuant to the Italian academic system prior to Ministerial Decree 509/1999, amended with Ministerial Decree 270/2004; equivalent Advanced Degree (Italian Laurea Specialistica) / Master's Degree (Italian Laurea Magistrale) or any equivalent academic Master Degree achieved from foreign Universities. For PhD admission purposes only, the equivalence between degrees awarded abroad and the Italian degrees will be assessed by the Board of Examiners. The eligibility of the foreign university degree is ascertained by the Board of Examiners of the selection procedure of the PhD Programmes, in compliance with the legislation in force in Italy and in the country where the university degree was awarded, as well as by the Treaties or international agreements on recognition of university degrees for the continuance of studies.
	Bachelor's Degrees are not admitted.
	Undergraduates can apply for admission, but they must have passed the degree examination by the start date of the PhD Programme activities: these candidates are required to provide the marks of the exams taken during their undergraduate career.
75.1.1.0	Proficiency in English is required
Total number of posts available	n. 8 - n. 6 posts benefiting of a scholarship / other forms of financial support and - n. 2 posts without scholarship / other forms of financial support
Posts without a research topic (among those already available)	(CODES A1-A2-A3) n. 3 posts for EU and non-EU candidates benefiting of a scholarship financed by the University of Brescia
Posts linked to a research topic (among those already available)	(CODE B) n. 1 post for EU and non-EU candidates benefiting of a scholarship co- financed by PNRR funds pursuant to the D.M 629/2024 M4C1 – Inv. 4.1, art. 9 – category "Dottorati per la Pubblica Amministrazione" / "PhD Programmes focusing on Public Administration"
Out of which reserved posts	(CODES P1-P2)
	n. 2 - A maximum number of 6 posts in all PhD Programmes, financed by maintenance allowance, are reserved to candidates of Pakistani citizenship, in compliance with the MoU signed by The Higher Education Commission, Government of the Islamic Republic of Pakistan (hereinafter referred to as HEC Pakistan) and by the University of Studies of Brescia on 03 December 2020.
Out of which posts not	(CODES OSB1-OSB2)
benefiting a scholarship (among those already available)	n. 3 posts without scholarship / other forms of financial support
•	Selection Procedure
Admission requirements	Maximum score applied to candidates' qualifications: 30/100
	Eligible qualifications:



Evaluation of a project proposal	- Master's thesis (or a similar document drawn up during the foreign university course for candidates having an eligible University Degree achieved in a non-Italian University) and the related academic curriculum: maximum 20 scores; - Scientific Publications and other qualifications deemed congruent and useful for valuation purposes: maximum 10 scores. If the candidate is not yet graduated, instead of the final grade the average grade of the passed exams will be considered. The following step of the evaluation process (that is, the evaluation of the research project) will be not addressed unless the candidate receives at least 15/100 at this stage. Maximum score for the research project proposal: 40/100 The research project proposal must be submitted online jointly with the admission form. The research project must be presented as a written proposal, in either Italian or English, with a maximum length of 25,000 characters (excluding spaces), and should be organized as follows: 1. Author; 2. Title; 3. Short literature review; 4. Research questions and objectives; 5. Methodology; 6. References.
	Only candidates who receive at least 20/100 in this evaluation phase will be admitted to the interview.
Interview	Maximum score at the interview: 30/100
	The interview will focus to discuss the research project proposal and the candidate's curriculum vitae/publications. Furthermore, the interview also aims at assessing candidate's proficiency in English language.
	Candidates may be allowed to be interviewed remotely with the use of a video conference application, pursuant to the prescriptions envisaged by Article 8, paragraphs 6 and 7 of the Call for Admission.
	At the end of the entire evaluation process, candidates with an overall score lower than 70/100 will not be admitted to the PhD Programme.
Place and date of the interview	The date (and, if needed, the place) of the interview will be published at least, 20 days in advance on the UNIBS web site https://www.unibs.it/en/node/1078 .
Contact information of the PhD Programme	Prof. Luca Mario Masera, Department of Law, e-mail luca.masera@unibs.it
PhD Teaching and research activity	https://permalink.unibs.it/phd/diritti-persona/en

PhD PROGRAMME IN	
TECHNOLOGY FOR HEALTH	
Scientific areas	03 - Chemical Sciences; 05 - Biological Sciences; 06 - Medical Sciences;
	09 - Industrial and Information Engineering.
Macro areas	03/B2; 03/D2 05/D1; 05/G1; 06/A2; 06/E3; 06/F1; 06/I1; 06/M2;
	09/D1; 09/E4; 09/F1; 09/F2; 09/G1; 09/G2; 09/H1



Duration	3 years
Starting date	November 1st, 2024
Proposing Structure	Department of Information Engineering
Coordinator	Prof. Mauro Serpelloni
Curricula	Not envisaged
Admission requirements	LM-6 Biologia; LM-7 Biotecnologie agrarie; LM-8 Biotecnologie industriali; LM-9 Biotecnologie mediche, veterinarie e farmaceutiche; LM-12 Design; LM-13 Farmacia e farmacia industriale; LM-17 Fisica; LM-18 Informatica; LM-20 Ingegneria aerospaziale e astronautica; LM-21 Ingegneria biomedica; LM-22 Ingegneria chimica; LM-23 Ingegneria civile; 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-35 Ingegneria per l'ambiente e il territorio; LM-40 Matematica; LM-41 Medicina e chirurgia; LM-44 Modellistica matematico-fisica per l'ingegneria; LM-46 Odontoiatria e protesi dentaria; LM-47 Organizzazione e gestione dei servizi per lo sport e le attività Motorie; LM-53 Scienza e Ingegneria dei Materiali; LM-54 Scienze chimiche; LM-60 Scienze della Natura; LM-61 Scienze della nutrizione umana; LM-66 Scienze della Natura; LM-67 Scienze e tecniche delle attività motorie preventive e adattate; LM-68 Scienze e tecniche delle sport; LM-69 Scienze e tecnologie agrarie; LM-70 Scienze e tecnologie alimentari; LM-71 Scienze e tecnologie geologiche; LM-75 Scienze e tecnologie per l'ambiente e il territorio; LM-79 Scienze geofisiche; LM-82 Scienze statistiche; LM/SNT1 Scienze infermieristiche e ostetriche; LM/SNT2 Scienze riabilitative delle professioni sanitarie; LM/SNT3 Scienze delle professioni sanitarie tecniche; LM/SNT4 Scienze delle professioni sanitarie della prevenzione.
	A University degree achieved in Italy, such as University Degree (Italian Laurea) achieved pursuant to the Italian academic system prior to Ministerial Decree 509/1999, amended with Ministerial Decree 270/2004; equivalent Advanced Degree (Italian Laurea Specialistica) / Master's Degree (Italian Laurea Magistrale) or any equivalent academic Master Degree achieved from foreign Universities. For PhD admission purposes only, the equivalence between degrees
	awarded abroad and the Italian degrees will be assessed by the Board of Examiners. The eligibility of the foreign university degree is ascertained by the Board of Examiners of the selection procedure of the PhD Programmes, in compliance with the legislation in force in Italy and in the country where the university degree was awarded, as well as by the Treaties or international agreements on recognition of university degrees for the continuance of studies. Bachelor's Degrees are not admitted.
	Undergraduates can apply for admission, but they must have passed the degree examination by the start date of the PhD Programme activities:



	these candidates are required to provide the marks of the exams taken
	during their undergraduate career.
Total number of posts available	n. 12 posts in total:
	- n. 9 posts benefiting of a scholarship / other forms of financial
	support and
	- n. 3 posts without scholarship / other forms of financial support
Posts without a research topic	(CODES A1-A2-A3-A4)
(among those already available)	n. 4 posts for EU and non-EU candidates benefiting of a scholarship
	financed by the University of Brescia
Posts linked to a research topic	(CODE B)
(among those already available)	n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by PNRR funds pursuant to the D.M. 630/2024 and by the company ARION S.R.L. having the research topic "Soluzioni innovative e competitive per la misura e la digitalizzazione dei dati nei circuiti di condizionamento e refrigerazione ad alta efficienza e basso impatto ambientale al fine di migliorare la salute e il benessere dell'uomo" / "Innovative and competitive solutions for the measurement and digitalization of data in high-efficiency and low environmental impact air conditioning and refrigeration circuits in order to improve human health and well-being"
	(CODE C) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by PNRR funds pursuant to the D.M. 630/2024 and by the company EDELWEISS ENERGIA S.P.A. having the research topic "Sviluppo di modelli e algoritmi per l'ottimizzazione dei cicli di ricarica di batterie per la stabilizzazione del mercato elettrico delle energie rinnovabili" / "Development of models and algorithms to optimize battery charging cycles for the stabilization of the renewable energy electricity market"
	(CODE D) n. 1 post for EU and non-EU candidates benefiting of a scholarship co-financed by the University of Brescia and by the PNRR funds pertaining to the project "Parternariati estesi - progetto "MICS - Made in Italy circolare e sostenibile" - CUP D73C22001250001 (Resp. prof. Sardini), having the research topic "Studio, progettazione e realizzazione di 'smart product' mediante soluzioni di 'printed electronics" / "Study, design and production of 'smart products' using 'printed electronics' solutions"
Out of which reserved posts	(CODES P1-P2)
•	n. 2 - A maximum number of 6 posts in all PhD Programmes, financed by maintenance allowance, are reserved to candidates of Pakistani citizenship, in compliance with the MoU signed by The Higher Education Commission, Government of the Islamic Republic of Pakistan (hereinafter referred to as HEC Pakistan) and by the University of Studies of Brescia on 03 December 2020.
Out of which posts not benefiting	(CODES OSB1-OSB2-OSB3)
a scholarship (among those already available)	n. 3 posts without scholarship / other forms of financial support
	Selection Procedure
Evaluation of Curriculum Vitae and academic / professional history / Publications, etc.	Preliminarily, the Board of Examiners will evaluate the candidates' Curriculum Vitae. The Candidate will be admitted to the qualifications evaluation, as a result of the positive relevance assessment between the Curriculum Vitae and the research areas of the PhD Programme.
	Evaluation score: 0-20 points as follows:



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	a) Score of the Degree: 0-10 points or, in alternative, if the candidate is not yet graduated, instead of the final grade the average grade of the
	passed exams will be taken into consideration.
	b) Publications: 0-4 points.
	c) Other qualifications: 0-6 points
Evaluation of a project proposal	The maximum score: 0 - 40 points
	Only candidates who score at least 24 points in the evaluation of their research proposal will be admitted to the interview.
	For the posts linked to a research topic, the coherence between the proposed project and the topic itself will also be assessed.
Additional Documentation Required	Candidates must include in their application: 1) A detailed Curriculum Vitae, including:
	 A title and summary of one page of the thesis (for undergraduates admitted conditionally, in the absence of the thesis, a draft of it signed by the supervisor), or a document similar to the university thesis drawn up during the foreign university course for candidates with an admissible qualification obtained in a non-Italian university; The degree score, or, if they are obtaining the degree, a list of the examinations with the relative score; Any training experience (internships, thesis, double degrees) carried out abroad with a brief description of the performed activity.
	 2) A research project, which must be presented as a written proposal, having a maximum length of 25.000 characters (including spaces), and should be formatted as follows: • Author • Title • Summary of State of the art • Detailed description of the research project • Bibliographic references.
	 3) List of the scientific publications. 4) A brief statement in which the candidate describes the scientific interest and the motivations for the application to the doctoral program. 5) Reference letters, if available.
	The degree of according and any the written in English language
Interview	The documents required must be written in English language. The Interview includes an assessment on the presented research project proposal, on the possible candidate's list of publications and qualifications, and an oral evaluation of English language skills.
	The maximum score for the evaluation of the Interview is 0 - 40 points. The Interview is considered passed unless the candidate has achieved a score of at least 20.
	Applicants may be allowed to be interviewed remotely by video conference, pursuant to the prescriptions envisaged by Article 8, paragraphs 6 and 7 of the Call for Admission.
Place and date of the interview	Interviews are scheduled to be held on September 4, 2024, from 9:30 a.m (Italian Time) at Aula n. 45 (Room n. 45) of the Department of Information Engineering in via Branze n. 38, Università degli Studi di Brescia, Brescia
Academic contact information of	Mrs. Rosaria Nardo, Department of Information Engineering, e-mail:
	, 1



the PhD Programme	rosaria.nardo@unibs.it
e	https://permalink.unibs.it/phd/t4h/en
activity	https://permalink.unibs.it/phd/t4h/site