



UNIVERSITÀ
DEGLI STUDI
DI BRESCIA

| PhD PROGRAM IN BUSINESS & LAW INSTITUTIONS AND BUSINESS: VALUE, RULES AND SOCIAL RESPONSIBILITY | |
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| Scientific areas | Area 12 (Law) e Area 13 (Economics and Statistics) |
| Academic disciplines | IUS/01, IUS/02, IUS/04, IUS/07, IUS/08, IUS/09, IUS/10, IUS/12, IUS/13, IUS/15, IUS/17, IUS/18, IUS/21, SECS-P/07, SECS-P/08, SECS-P/10, SECS-P/12 |
| Duration | 3 years |
| Starting date | November 1 st , 2021 |
| Proponent Structure | University of Brescia, Department of Law (DIGI) |
| Coordinator | Prof. Antonio Tencati |
| Admission requirements | <p>LMG/01 Law; LM16 Finance; LM49 Planning and Management of Tourism Systems; LM56 Economic Sciences; LM63 Science of Public Administrations; LM76 Economics of the Environment and Culture; LM77 Economics and Business Sciences; LM81 Science for Development Cooperation; LM88 Sociology and Social Research.</p> <p>Any equivalent academic degree to those listed above achieved from foreign Universities. Moreover, Specialist or Master's degree pursuant to the Italian University legal system preceding Ministerial Decree 509 of 3 November 1999, modified with Ministerial Decree 270 of 22 October 2004 are eligible. Bachelor Degrees are not admitted.</p> <p>Undergraduates can apply for admission but they must have passed the degree examination by 31/10/2021. These candidates are required to provide the marks of the exams taken during their undergraduate university career.</p> <p>Proficiency in English is required.</p> |
| Number of available positions | n. 8 in total - n. 6 positions benefiting of a scholarship / equivalent financial support and - n. 2 positions without scholarship / equivalent financial support |
| Out of which: Reserved positions | n. 3 reserved to candidates having an eligible academic degree achieved from non-Italian Universities |
| Number of scholarships / or equivalent financial support | - n. 3 for ordinary posts for EU and no EU citizens - n. 3 reserved to candidates having an eligible academic degree achieved from non-Italian Universities |
| Scholarships linked to a research topic (among those already available) | Not envisaged |
| Selection procedure for regular and reserved positions | |
| Evaluation of Curriculum Vitae/Publications, etc. | <u>Maximum score for curriculum vitae/publications: 30/100</u> Eligible material: - Master thesis and the related University curriculum; - Academic publications; - Any other supporting evidence that can be considered relevant and useful for the admission evaluation process. If the candidate is not yet graduated, instead of the final grade the average grade of the passed exams will be taken into account. |



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| | <p>The following step of the evaluation process (that is, the assessment of the research project) will be not addressed if the candidate is not able to get at least 18/100 at this stage.</p> |
| Written exam or evaluation of a project proposal | <p><u>Maximum score for the research project proposal: 30/100</u></p> <p>The research project proposal must be submitted online jointly with the admission form.</p> <p>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:</p> <ol style="list-style-type: none">1. Author;2. Title;3. Short literature review;4. Research questions and objectives;5. Methodology;6. References. <p>Only candidates who get at least 18/100 in the assessment of their research proposal will be admitted to the oral exam.</p> |
| Oral examination | <p><u>Maximum score for the oral exam: 40/100</u></p> <p>The interview in English will focus to discuss the research project proposal and candidate's curriculum vitae/publications. Furthermore, the oral exam also aims at assessing candidate's proficiency in English language.</p> <p>The oral examination may be envisaged to take place remotely for all candidates, also due to the health emergency represented by COVID-19.</p> <p>At the end of the evaluation process, candidates with an overall score lower than 70/100 will not be admitted to the PhD Program.</p> |
| Place and date of exam | <p>The date (and, if needed, the place) of the oral exams will be published at least, 20 days in advance on the UNIBS web site https://www.unibs.it/en/node/1078</p> |
| Contact information of the PhD Course | <p>emiliano.milanesi@unibs.it cristina.molinari@unibs.it</p> |
| PhD Teaching and research activity | <p>https://permalink.unibs.it/phd/37/bl/en</p> |



| PhD PROGRAM IN ANALYTICS FOR ECONOMICS AND MANAGEMENT - AEM | |
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| Scientific areas | Area 01 (Mathematics and Informatics) Area 13 (Economics and Statistics) |
| Macro areas | 01/A - Mathematics 13/A - Economics 13/B - Business Administration and Management 13/D - Statistics and Mathematical Methods for Decisions |
| Duration | 3 years |
| Starting date | November 1 st , 2021 |
| Proposing Structure | Department of Economics and Management |
| Coordinator | Prof. Luca Bertazzi |
| Curricula | None |
| Admission requirements | 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. Bachelor's Degrees are not admitted. For PhD admission purposes only, the equivalence between degrees awarded abroad and the Italian degrees will be assessed by the Selection Board. Undergraduates can apply for admission, but they must have passed the degree examination by October 31st, 2021 |
| Number of ordinary positions benefiting of scholarships / or having equivalent financial support | n. 8 in total - n. 6 positions benefiting of a scholarship / equivalent financial support and - n. 2 positions without scholarship / equivalent financial support |
| Out of which: Reserved positions | n. 2 reserved positions, out of which: - n. 1 position reserved to candidates having an eligible academic degree achieved from non-Italian Universities - n. 1 position reserved to the employees of the firm Orobix S.r.l. |
| Number of scholarships / or equivalent financial support | - n. 4 scholarships for ordinary posts for EU and no EU citizens - n. 1 scholarship reserved to candidates having an eligible academic degree achieved from non-Italian Universities - n. 1 position reserved to the employees of the firm Orobix S.r.l. |
| Scholarships linked to a research topic (among those already available) | Not envisaged. |
| Selection procedure for ordinary and reserved positions | |
| Evaluation of Curriculum Vitae and academic / professional history / Publications, etc. | The candidate must upload her / his curriculum vitae organized as follows: Personal data Study Program: - Name of the Master's Degree - Institution providing the Master's Degree - Degree grade (if the candidate is not yet graduated, she / he must provide the average exam grade, an extended abstract to the master thesis and the degree exam prospected date) - List of exams with the corresponding grade List of jobs strictly related to the PhD Program research topics List of publications, including the master thesis and working papers (5 |



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| | <p>publications at most)</p> <p>List of any other supporting documentation and qualifications that are relevant and useful for the admission evaluation process (5 documents at most)</p> <p>English language level.</p> <p>In addition to the curriculum vitae, the candidate must upload the following documentation:</p> <ul style="list-style-type: none"> - Publications, included the master thesis or the extended abstract of the master thesis if the candidate is not yet graduated (complete document, 5 publications at most) - Copy of the supporting documentation and qualifications (5 documents at most) - English language certificate (if obtained) - At least one recommendation letter <p>The maximum score for the evaluation of the documents and qualifications is 60 out of 100.</p> <p>Only candidates who score at least 36 points in the evaluation of their documents and qualifications will be admitted to the oral exam.</p> |
| Written examination or evaluation of a project proposal | Not envisaged |
| Oral examination | <p>The oral exam will be in English and will consist of:</p> <ul style="list-style-type: none"> - a presentation of the study Program and of the master thesis (about 10 minutes) - the assessment of the candidate's motivation for carrying out research on the scientific areas covered by the PhD Program - the assessment of the candidate's aptitude for carrying out research on the scientific areas covered by the PhD Program - the assessment of the candidate's proficiency in English <p>The oral exam may be envisaged to take place remotely for all candidates, taking also into account of the health emergency COVID-19.</p> <p>The maximum score for the oral exam is 40 out of 100.</p> <p>Only candidates who score at least 24 points in the oral exam will enter the PhD program final ranking list of merit to be admitted to the PhD program</p> |
| Place and date of exam | <p>The date (and, if needed, the place) of the oral exams will be published at least, 20 days in advance on the UNIBS web site</p> <p>https://www.unibs.it/en/node/1078</p> |
| Academic contact information of the PhD Course | Prof. Luca Bertazzi, e-mail: luca.bertazzi@unibs.it |
| Teaching and research PhD activity | <p>https://permalink.unibs.it/phd/37/aem/en</p> <p>https://permalink.unibs.it/phd/37/aem/site</p> |



| PhD PROGRAM IN CIVIL AND ENVIRONMENTAL ENGINEERING, INTERNATIONAL COOPERATION AND MATHEMATICS | |
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| 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 1 st , 2021 |
| Proposing Structure | Department of Civil, Environmental, Architectural Engineering and Mathematics (DICATAM) |
| Coordinator | Prof. Paolo Secchi |
| 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. For further information, visit the web page at: https://permalink.unibs.it/phd/37/dicacim/en |
| Admission requirements | A university graduate degree achieved in Italy, such as the Master's Degree (Italian Laurea Magistrale) /Advanced Degree (Italian Laurea Specialistica) / Degree (Italian Laurea) achieved pursuant to the Italian system prior to Ministerial Decree 509/1999, amended with Ministerial Decree 270/2004, or any equivalent academic Master Degree obtained from foreign Universities. The Bachelor's Degree is not admitted. Undergraduates can apply for admission, but they must have passed the degree examination by 31/10/2021. These candidates are required to provide the average grade of examinations passed during the course. |
| Number of available positions | n. 8 positions in total - n. 6 positions benefiting of a scholarship / equivalent financial support and - n. 2 positions without scholarship / equivalent financial support |
| Out of which: Reserved positions | Not envisaged |
| Number of scholarships / or equivalent financial support | n. 6 positions benefiting of a scholarship / equivalent financial support |
| Scholarships linked to a research topic (among those already available) | Not envisaged |



Selection procedure for ordinary and reserved positions

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| Evaluation of Curriculum Vitae and academic / professional history / Publications, etc. | <p>Academic Degree: up to 10 points.</p> <p>For candidates under graduation condition, at most 10 points will be assigned, according to the following criterion: average mark between 101/110 and 110/110 corresponds to points from 1 to 10. Further qualifications: up to 10 points.</p> |
| Presentation of a project proposal | <p>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:</p> <p style="text-align: center;">APPROPRIATE METHODOLOGIES AND TECHNIQUES FOR INTERNATIONAL DEVELOPMENT CO-OPERATION</p> <p>- <i>Technology track:</i> With reference to the Sustainable Development Goal (SDG) n. 6 "Ensure access to water and sanitation for all" the candidate is required to describe the main problems related to the drinking water supply and sanitation management in resource limited countries. After proposing a specific case-scenario – at the candidate’s choice – the candidate is required to prepare a research project targeted at identifying specific solutions aimed at achieving the 6.1 target of SDG n. 6 in the proposed low-income scenario. The proposed research project must clearly highlight the objectives, the methodology and expected results.</p> <p>- <i>Health track:</i> With reference to the Sustainable Development Goal (SDG) n. 3 (Ensure healthy lives and promote wellbeing for all at all ages), and in particular target 3.3 (By 2030, end the epidemics of AIDS, tuberculosis, malaria and neglected tropical diseases and combat hepatitis, water-borne diseases and other communicable diseases), the candidate is required to describe the specific problems of HIV incidence in low-income Countries. After proposing a specific case-scenario – at the candidate’s choice – the candidate is required to prepare a research project targeted at identifying specific solutions aimed at achieving the 3.3. target of SDG n. 3 in the proposed low-income scenario. The proposed research project must include the objectives, the methodology and expected results.</p> <p style="text-align: center;">MATHEMATICAL METHODS AND MODELS FOR ENGINEERING:</p> <p>- Partial differential equations for the description of physical phenomena. The candidate is required to describe some analytical methods for the qualitative study of solutions, and techniques for their numerical simulation.</p> <p>- Methods for the mechanics of solids and fluids. The candidate shall describe modern applications and/or analytical and computational methods that he/she aims at developing in the PhD program.</p> <p style="text-align: center;">NATURAL RISKS ASSESSMENT AND MANAGEMENT:</p> <p>- Monitoring and simulation of hydrological processes in the context of climate and anthropogenic changes</p> |



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| | <p>- Numerical methods and conceptual frameworks for the computation of the hydraulic hazard in mountain regions.</p> <p>STRUCTURAL REHABILITATION OF HISTORICAL AND MODERN BUILDINGS:</p> <p>- The candidate should discuss a research proposal concerning a novel technique for the strengthening of existing buildings, structures or infrastructures.</p> <p>- The candidate should discuss a research proposal concerning the utilization of high performance cementitious or non-cementitious materials for structural rehabilitation of existing buildings, structures or infrastructures.</p> <p>URBAN PLANNING AND MOBILITY:</p> <p>- Micro mobility impacts on road safety.</p> <p>- Green infrastructures impacts on urban environment.</p> <p>*****</p> <p>The project should be clearly related to one of the above-mentioned curricula. The project presented for the admission procedure, however, does not bind the choice of the candidate's future PhD project, once admitted to the Ph.D. program. The project should be no more than 25000 characters long, and structured as follows:</p> <ol style="list-style-type: none"> 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. <p>*****</p> <p>Maximum score: 40 points. Minimum score to access to the oral exam: 24 points.</p> <p>*****</p> <p>The paper must be uploaded on-line upon submission of the application.</p> |
| Oral examination | <p>The oral examination may be envisaged to take place remotely for all candidates, also due to the health emergency represented by COVID-19.</p> <p>The oral examination will focus on the main curriculum topics and on the research project, with a maximum of 40 points. Minimum score to pass the oral exam: 24 points.</p> |
| Place and date of exam | <p>The date (and, if needed, the place) of the oral exams will be published at least, 20 days in advance on the UNIBS web site https://www.unibs.it/en/node/1078</p> |
| Academic contact information of the PhD Course | <p>Curriculum on "APPROPRIATE METHODOLOGIES AND TECHNIQUES FOR INTERNATIONAL DEVELOPMENT COOPERATION": sabrina.sorlini@unibs.it</p> <p>Curriculum on "MATHEMATICAL METHODS AND MODELS FOR ENGINEERING": hynek.kovarik@unibs.it</p> |



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| | <p>Curriculum on “NATURAL RISKS ASSESSMENT AND MANAGEMENT”: giovanna.grossi@unibs.it</p> <p>Curriculum on “STRUCTURAL REHABILITATION OF HISTORICAL AND MODERN BUILDINGS”: fausto.minelli@unibs.it</p> <p>Curriculum on “TECHNOLOGIES AND PROCESSES FOR THE ENVIRONMENT AND AGRICULTURE”: stefano.barontini@unibs.it</p> <p>Curriculum on “URBAN PLANNING AND MOBILITY”: michele.pezzagno@unibs.it</p> |
| Teaching and research PhD activity | <p>https://permalink.unibs.it/phd/37/dicacim/en</p> |



| PhD PROGRAM IN INFORMATION ENGINEERING | |
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| 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/B Inorganic, Technological 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 1 st , 2021 |
| Proponent Structure | University of Brescia, Department of Information Engineering (DII) |
| Coordinator | Prof. Costantino De Angelis |
| Curricula | <ul style="list-style-type: none"> - Curriculum in Electronic Engineering, Sensors and Instrumentation - Curriculum in Computer Science/Engineering and Control Systems - Curriculum in Telecommunication Engineering - Curriculum in Physical Sciences for Engineering <p>Curricula descriptions available at http://drii.unibs.it 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 oral examination shall express their preference of curricula at the interview.</p> |
| Admission requirements | <p>University Educational Degree (Laurea Magistrale / Master's degree) achieved in Italy, as listed in the following:</p> <p>LM-17 Physics; LM-18 Computer Science; LM-20 Aerospacial and Astronautic Engineering; LM-21 Biomedical Engineering; LM-22 Chemical Engineering; LM-25 Automation Engineering; LM-26 Safety Engineering; LM-27 Telecommunications Engineering; LM-28 Electrical Engineering; LM-29 Electronic Engineering; LM-30 Energy and Nuclear Engineering; LM-31 Management Engineering; LM-32 Computer Systems Engineering; LM-33 Mechanical Engineering; LM-35 Environmental Engineering; LM-40 Mathematics; LM-44 Mathematical Modelling for Engineering; LM-53 Materials science and engineering; LM-54 Chemical Sciences; LM-55 Cognitive Sciences; LM-58 Sciences of the Universe; LM-66 Computer Security; LM-70 Food Sciences and Technologies;</p> |



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| | <p>LM-71 Sciences and Technologies of Industrial Chemistry; LM-72 Navigation Sciences and Technologies; LM-75 Environmental and Land Sciences; LM-82 Statistics;</p> <p><u>Equivalent University Advanced Degree (Italian Laurea Specialistica):</u> 20/S (Physics) 23/S (Computer Science) 25/S (Aerospace and Aeronautical Engineering) 26/S (Biomedical Engineering) 27/S (Chemical Engineering) 29/S (Automation Engineering) 30/S (Telecommunications Engineering) 31/S (Electrical Engineering) 32/S (Electronic Engineering) 33/S (Energy and Nuclear Engineering) 34/S (Engineering and Industrial Management) 35/S (Computer Engineering) 36/S (Mechanical Engineering) 38/S (Environmental Engineering) 45/S (Mathematics) 50/S (Mathematics and Physics: Modelling for Engineering) 61/S (Science and Engineering of Materials); 62/S (Chemical Sciences); 63/S (Cognitive Sciences); 66/S (Sciences of the Universe); 78/S (Food Sciences and Technologies); 80/S (Navigation Sciences and Technologies); 81/S (Sciences and Technologies of Industrial Chemistry); 82/S (Environmental and Land Sciences and Technology) 92/S (Statistics for Experimental Research) 100/S (Techniques and Methods for the Information Society)</p> <p>Any equivalent academic degree to those listed above achieved from foreign Universities. Moreover, a University Degree pursuant to the Italian University legal system preceding Ministerial Decree 509 of 3 November 1999, modified with Ministerial Decree 270 of 22 October 2004 are eligible. Bachelor's Degrees are not admitted. Undergraduates can apply for admission, but they must have passed the degree examination by 31/10/2021: These candidates are required to provide the marks of the exams taken during their undergraduate university career.</p> |
| Number of available positions | <p>n. 8 in total: - n. 6 positions benefiting of a scholarship / equivalent financial support and - n. 2 positions without scholarship / equivalent financial support</p> |
| Out of which: Reserved positions | Not envisaged |
| Number of scholarships / or equivalent financial support | <p>- n. 5 scholarships for ordinary posts for EU and no EU citizens - 1 scholarship for ordinary posts for EU and no EU citizens funded by the Department of Excellence Fund 2018-2022, having a specific research topic-</p> |
| Scholarships linked to a research topic (among those already available) | <p>- 1 scholarship for ordinary posts for EU and no EU citizens funded by the Department of Excellence Fund 2018-2022, having a specific research topic about "<i>Tecnologie emergenti nell'era di Industry 4.0 / Emerging technologies in the era of Industry 4.0</i>"</p> |



| Selection procedure for ordinary / reserved positions | |
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| Evaluation of Curriculum Vitae/Publications, etc. | <p>Maximum score for documentation and qualifications: 20/100.</p> <p>Eligible documentation:</p> <ul style="list-style-type: none"> - 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 - 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. |
| Presentation of a project proposal | <p>Maximum score for the research project proposal: 40/100.</p> <p>The research project proposal must be submitted online jointly with the admission form.</p> <p>The topic of the research project must fall within research activities that are relevant to any of the curricula of the PhD program. 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:</p> <ol style="list-style-type: none"> 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. <p>Only candidates who score at least 24 points in the evaluation of their research proposal will be admitted to the oral exam.</p> |
| Oral examination | <p>Maximum score for the oral exam: 40/100.</p> <p>Interview in English that includes a discussion on the research project proposal presented; on the possible list of publications and qualifications presented by the candidate, and an oral evaluation of English language skills.</p> <p>The oral examination may be envisaged to take place remotely for all candidates, also due to the health emergency represented by COVID-19.</p> |
| Place and date of exam | <p>The date (and, if needed, the place) of the oral exams will be published at least, 20 days in advance on the UNIBS web site https://www.unibs.it/en/node/1078</p> |
| Contact information of the PhD Course | <p>Prof. Costantino De Angelis: costantino.deangelis@unibs.it; Mrs. Rosaria Nardo – Secretariat Department of Information Engineering: rosaria.nardo@unibs.it</p> |
| PhD Teaching and research activity | <p>http://drii.unibs.it https://permalink.unibs.it/phd/37/drii/en</p> |



| PhD PROGRAM IN MECHANICAL AND INDUSTRIAL ENGINEERING | |
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| Scientific areas | All the scientific fields related to Mechanical Engineering and the curricula of the PhD program |
| 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 1 st , 2021 |
| Proponent Structure | University of Brescia, Department of Mechanical and Industrial Engineering (DIMI) |
| Coordinator | Prof.ssa Laura Eleonora Depero |
| Curricula | - Industrial curriculum; - International curriculum. For information on the curricula, please visit the page: http://drimi.unibs.it |
| Admission requirements | 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. The Bachelor's Degree is not admitted. For PhD admission purposes only, the equivalence between degrees awarded abroad and the Italian degrees will be assessed by the Selection Board. Undergraduates can apply for admission, but they must have passed the degree examination by 31/10/2021. These candidates are required to provide the marks of the exams taken during their undergraduate university career. |
| Number of available positions | n. 13 in total: - n. 11 positions benefiting of a scholarship / equivalent financial support and - n. 2 positions without scholarship / equivalent financial support |
| Out of which: Reserved positions | - n. 1 position reserved to the employees of the firm IMBAL CARTON S.r.l. (Industrial Research Doctorate) - n. 1 post for EU and non-EU candidates, reserved to a joint PhD agreement and dissertation between UNIBS and Sorbonne – Université - SU (France), benefiting of a three-year scholarship financed by “Bando Vinci 2020” Italian-French University, under the research topic “ <i>Robotic (assisted and automated) manipulation and characterization of biological micro-samples</i> ” |



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| <p>Number of scholarships / or equivalent financial support</p> | <ul style="list-style-type: none"> - n. 3 scholarships for ordinary posts for EU and no EU citizens - n. 3 scholarships for ordinary posts for EU and no EU citizens co-financed by the Department of Mechanical and Industrial Engineering - 1 scholarship for ordinary posts for EU and no EU citizens financed by CNR STIIMA under categorized research - 1 scholarship for ordinary posts for EU and no EU citizens financed by LUCCHINI RS under a specific research topic - n. 1 scholarship for EU and no EU citizens financed by the Department of Mechanical and Industrial Engineering, prof. Invernizzi, under a specific research topic - n. 1 post for EU and non-EU candidates, reserved to a joint PhD agreement and dissertation between UNIBS and Sorbonne – Université - SU (France), benefiting of a three-year scholarship financed by “Bando Vinci 2020” Italian-French University, under a specific research topic - n. 1 position reserved to the employees of the firm IMBAL CARTON S.r.l. (Industrial Research Doctorate) |
| <p>Scholarships linked to a research topic (among those already available)</p> | <ul style="list-style-type: none"> - n. 3 scholarships co-funded by the Department of Mechanical and Industrial Engineering having as a specific research topic: <ol style="list-style-type: none"> 1. “Technologies for the decarbonisation of energy” 2. “Methods and models for controlling air quality and GHG emissions” 3. “A NURBSbased discontinuous Galerkin method for turbulent flows simulations” - n. 1 scholarship for EU and no EU citizens financed by the Department of Mechanical and Industrial Engineering, prof. Invernizzi, under the research topic “Innovative working fluids for power plants” - n. 1 scholarship for ordinary posts for EU and no EU citizens financed by LUCCHINI RS under the research topic “Study of the thermo-mechanical damage in materials for railway wheels in shoe braking” - n. 1 post for EU and non-EU candidates, reserved to a joint PhD agreement and dissertation between UNIBS and Sorbonne – Université - SU (France), benefiting of a three-year scholarship financed by “Bando Vinci 2020” Italian-French University, under the research topic “Robotic (assisted and automated) manipulation and characterization of biological micro-samples - n. 1 scholarship for ordinary posts for EU and no EU citizens financed by by CNR STIIMA, in the fields of automation, robotics and mechatronics |
| <p>Selection procedure for ordinary and reserved positions</p> | |
| <p>Evaluation of Curriculum Vitae/Publications, etc.</p> | <p>Maximum score for documentation and qualifications: 20/100.</p> <p>Eligible documentation:</p> <ul style="list-style-type: none"> - 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, - Scientific publications - Any other supporting documentation and qualifications that can be considered relevant and useful for the admission evaluation process. |
| <p>Presentation of a project proposal</p> | <p>Maximum score for the research project proposal: 40/100.</p> <p>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</p> |



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| | <p>program. 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:</p> <ol style="list-style-type: none"> 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. <p>Only candidates who score at least 24 points in the evaluation of their research proposal will be admitted to the oral exam.</p> |
| Oral examination | <p>Maximum score for the oral: 40/100.</p> <p>The oral exam will focus on the discussion of the academic and professional qualifications outlined by the candidate, on a thematic area of the PhD Course and will be designed to assess the motivation and ability of the candidate to scientific research. The oral exam is inclusive of the evaluation of the knowledge of the English language.</p> <p>Only candidates who score at least 24 points in the evaluation of their research proposal will be admitted to the oral exam.</p> <p>Candidates must enclose in their online application the form "Online Oral Entrance Examination Form", downloadable from the website, duly completed and signed, also indicating their Skype contact.</p> <p>The oral examination may be envisaged to take place remotely for all candidates, also due to the health emergency represented by COVID-19.</p> |
| Place and date of exam | <p>The date (and, if needed, the place) of the oral exams will be published at least, 20 days in advance on the UNIBS web site https://www.unibs.it/it/node/1078</p> |
| Contact information of the PhD Course | <p>Prof. Laura Eleonora Depero, email: laura.depero@unibs.it</p> |
| PhD Teaching and research activity | <p>https://permalink.unibs.it/phd/37/drimi/en</p> |



| PhD PROGRAM IN TECHNOLOGY FOR HEALTH | |
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| 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 | 01 st November 2021 |
| Proposing Structure | Department of Information Engineering (DII) |
| Coordinator | Prof.ssa Alessandra Flammini |
| Curricula | Not envisaged |
| 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-17 Fisica; LM-18 Informatica; 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 Sicurezza Informatica; LM-67 Scienze e tecniche delle attività motorie preventive e adattate; LM-68 Scienze e tecniche dello sport; LM-70 Scienze e Tecnologie Alimentari; 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; 6/S (specialistiche in biologia); 7/S (specialistiche in biotecnologie agrarie); 8/S (specialistiche in biotecnologie industriali); 9/S (specialistiche in biotecnologie mediche, veterinarie e farmaceutiche); 14/S (specialistiche in farmacia e farmacia industriale); 20/S (specialistiche in fisica); 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); 38/S (specialistiche in ingegneria per l'ambiente e il territorio); 45/S (specialistiche in matematica); 46/S (specialistiche in medicina e chirurgia); 48/S (specialistiche in metodi per l'analisi valutativa dei sistemi complessi); 50/S (specialistiche in modellistica matematico-fisica per l'ingegneria); 52/S (specialistiche in odontoiatria e protesi dentaria); 53/S (specialistiche in organizzazione e gestione dei servizi per lo sport e le attività motorie); 61/S (specialistiche in scienza e ingegneria dei materiali); 62/S (specialistiche in scienze chimiche); 68/S (specialistiche in scienze della natura); 69/S (specialistiche in scienze |



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| | <p>della nutrizione umana); 75/S (specialistiche in scienze e tecnica dello sport); 76/S (specialistiche in scienze e tecniche delle attività motorie preventive e adattative); 77/S (specialistiche in scienze e tecnologie agrarie); 78/S (specialistiche in scienze e tecnologie agroalimentari); 81/S (specialistiche in scienze e tecnologie della chimica industriale); 82/S (specialistiche in scienze e tecnologie per l'ambiente e il territorio); 85/S (specialistiche in scienze geofisiche); 92/S (specialistiche in statistica per la ricerca sperimentale).</p> <p>Any equivalent academic degree to those listed above achieved from foreign Universities. Moreover, Specialist or Master's Degrees pursuant to the Italian University legal system preceding Ministerial Decree 509 of 3 November 1999, modified with Ministerial Decree 270 of 22 October 2004 are eligible. Bachelor's Degrees are not admitted.</p> <p>Undergraduates can apply for admission, but they must have passed the degree examination by 31/10/2021.</p> |
| Number of available positions | <p>n. 8 in total</p> <ul style="list-style-type: none"> - n. 6 positions benefiting of a scholarship / equivalent financial support and - n. 2 positions without scholarship / equivalent financial support |
| Out of which: Reserved positions | <p>n. 1 post reserved to applicants employed in the Research Centre IRCCS The Rizzoli Orthopaedic Institute of Bologna – Italy - (Industrial Research Doctorate)</p> |
| Number of scholarships / or equivalent financial support | <ul style="list-style-type: none"> - n. 5 scholarships for ordinary posts for EU and no EU citizens - n. 1 post reserved to applicants employed in the Research Centre IRCCS The Rizzoli Orthopaedic Institute of Bologna – Italy - (Industrial Research Doctorate) |
| Scholarships linked to a research topic (among those already available) | <p>0</p> |
| <p>Selection procedure for ordinary and reserved positions</p> | |
| Evaluation of Curriculum Vitae and academic / professional history / Publications, etc. | <p>Preliminarily, the Committee 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 program.</p> <p>Evaluation score: 0-20 points as follows:</p> <ul style="list-style-type: none"> a) Score of the Degree: 0-10 points or, in alternative, the list of the examinations with the relative scores. b) Publications: 0-4 points. c) Other qualifications: 0-6 points |
| Presentation of a project proposal | <p>The maximum score for the evaluation of the research project proposal is 40 points.</p> <p>Only candidates who score at least 24 points in the evaluation of their research proposal will be admitted to the oral exam.</p> |



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| <p>Additional Documentation Required</p> | <p>Candidates must include in their application:</p> <ol style="list-style-type: none"> 1) A detailed Curriculum Vitae, including: <ul style="list-style-type: none"> • 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). • 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, in either Italian or English, with a maximum length of 25.000 characters (including spaces), and should be formatted along this chapters: <ul style="list-style-type: none"> • Author • Title • Summary of State of the art • Detailed description of the research project • Bibliographic references. 3) Scientific publications (list and text), if available. 4) A brief statement to in which the candidate describes the scientific interest and the motivations for the application to the doctoral program. 5) Reference letters, if available. <p>Documents must be written in English.</p> |
| <p>Oral examination</p> | <p>The oral examination includes a discussion on the presented research project proposal, on the possible candidate's list of publications and qualifications, and an oral evaluation of English language skills.</p> <p>The maximum score for the evaluation of the oral examination is 40 points.</p> <p>The oral examination is considered passed unless the candidate has achieved a score of at least 20.</p> <p>The oral examination may be envisaged to take place remotely for all candidates, also due to the emergency represented by COVID-19.</p> |
| <p>Place and date of exam</p> | <p>The date (and, if needed, the place) of the oral exams will be published at least, 20 days in advance on the UNIBS web site https://www.unibs.it/en/node/1078</p> |
| <p>Academic contact information of the PhD Course</p> | <p>Mrs. Rosaria Nardo: Dipartimento di Ingegneria dell'Informazione - rosaria.nardo@unibs.it</p> |
| <p>Teaching and research PhD activity</p> | <p>https://permalink.unibs.it/phd/37/t4h/en https://tech4health.unibs.it/</p> |



| PhD PROGRAM IN MOLECULAR GENETICS, BIOTECHNOLOGIES AND EXPERIMENTAL MEDICINE | |
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| Scientific areas | All the scientific fields related to Life Sciences and the curricula of the PhD program |
| 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 1 st , 2021 |
| Proponent Structure | University of Brescia, Department of Molecular and Translational Medicine (DMMT) |
| Coordinator | Prof. Eugenio Monti |
| Curricula | - Molecular Genetics Applied to Medical Sciences - Biotechnologies for the Health and the Environment - Forensic Medical Sciences https://permalink.unibs.it/phd/37/genetica/en |
| 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-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-54 Chemical Sciences LM-70 Food Sciences and Technologies Any equivalent academic degree to those listed above achieved from foreign Universities. Moreover, Specialist or Master's Degree pursuant to the Italian University legal system preceding Ministerial Decree 509 of 3 November 1999, modified with Ministerial Decree 270 of 22 October 2004 are eligible. Bachelor's Degrees are not admitted. Undergraduates can apply for admission, but they must have passed the degree examination by 31/10/2021: These candidates are required to provide the marks of the exams taken during their undergraduate university career. |
| Number of available positions | n. 8 in total - n. 6 positions benefiting of a scholarship / equivalent financial support and - n. 2 positions without scholarship / equivalent financial support |
| Out of which: Reserved positions | n. 3 reserved to candidates having an eligible academic degree achieved from foreign Universities |
| Number of scholarships / or equivalent financial support | - n. 3 scholarships for ordinary posts for EU and no EU citizens - n. 3 scholarships reserved to candidates having an eligible academic degree achieved from non-Italian Universities. |
| Scholarships linked to a research topic (among those already available) | Not envisaged |
| Selection procedure for ordinary and reserved positions | |
| Evaluation of Curriculum | Maximum score 25 as follows: |



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| Vitae/Publications, etc. | <p>- equivalent Advanced Degree (Italian Laurea Specialistica) / Master's Degree (Italian Laurea Magistrale), etc. final maximum score: 7.</p> <p>If a candidate is under graduation condition the average grade of examinations passed during the University course will be considered.</p> <p>- in extenso publications and abstracts; maximum score: 6;</p> <p>- other qualifications (specialization, master, lab training, conference attendance, language certificates, PhD qualifications, etc.); maximum score: 6;</p> <p>- other activities (research, professional activities, etc.) that are relevant for the PhD program or one of the curricula); maximum score: 6.</p> |
| Written examination or evaluation of a project proposal | Not envisaged |
| Oral examination | <p>The oral exam has a maximum score of 75 points.</p> <p>The oral exam is passed if the candidate obtains a mark of at least 45.</p> <p>The oral exam will focus on the discussion of the provided qualifications, 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 oral exam is inclusive of the evaluation of the knowledge of the English language.</p> <p>The oral examination may be envisaged to take place remotely for all candidates, also due to the health emergency represented by COVID-19. Those candidates taking the oral exam remotely must enclose in their online application the "On-line oral entrance examination form", downloadable from the website, duly completed and signed, indicating also your Skype contact.</p> |
| Place and date of exam | <p>The date (and, if needed, the place) of the oral exams will be published at least, 20 days in advance on the UNIBS web site</p> <p>https://www.unibs.it/en/node/1078</p> |
| Contact information of the PhD Course | Prof. Eugenio Monti, e-mail: eugenio.monti@unibs.it |
| PhD Teaching and research activity | https://permalink.unibs.it/phd/37/genetica/en |



| PhD PROGRAM IN ARTIFICIAL INTELLIGENCE IN MEDICINE AND INNOVATION IN CLINICAL RESEARCH AND METHODOLOGY | |
|---|---|
| Scientific areas | 06 Medical Sciences; 05 Biological Sciences; 09 Industrial and Information Engineering; 13a Economic and Statistical Sciences; 01 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 | 01 st November 2021 |
| Proponent Structure | University of Brescia, Department of Clinical and Experimental Sciences |
| Coordinator | Prof. Domenico Russo |
| Curricula | <ul style="list-style-type: none"> - 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-17 Fisica LM-18 Informatica LM-21 Ingegneria biomedica LM-27 Ingegneria delle telecomunicazioni LM-29 Ingegneria elettronica LM-32 Ingegneria informatica LM-40 Matematica LM-41 Medicina e chirurgia LM-44 Modellistica matematico-fisica per l'ingegneria LM-54 Scienze chimiche LM-55 Scienze cognitive LM-56 Scienze dell'economia LM-60 Scienze della natura LM-61 Scienze della nutrizione umana LM-67 Scienze e tecniche delle attività motorie preventive e adattate LM-82 Scienze statistiche LM-83 Scienze statistiche attuariali e finanziarie LM/SNT2 Scienze riabilitative delle professioni sanitarie 6/S (specialistiche in biologia) 7/S (specialistiche in biotecnologie agrarie) 8/S (specialistiche in biotecnologie industriali) 9/S (specialistiche in biotecnologie mediche, veterinarie e farmaceutiche) 14/S (specialistiche in farmacia e farmacia industriale) 20/S (specialistiche in fisica) 23/S (specialistiche in informatica) 26/S (specialistiche in ingegneria biomedica) 27/S (specialistiche in ingegneria chimica) 30/S (specialistiche in ingegneria delle telecomunicazioni) 35/S (specialistiche in ingegneria informatica) 45/S (specialistiche in matematica) 46/S (specialistiche in medicina e chirurgia) 50/S (specialistiche in modellistica matematico-fisica per |



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| | <p>l'ingegneria) 61/S (specialistiche in scienza e ingegneria dei materiali) 62/S (specialistiche in scienze chimiche) 63/S (specialistiche in scienze cognitive) 64/S (specialistiche in scienze dell'economia) 68/S (specialistiche in scienze della natura) 69/S (specialistiche in scienze della nutrizione umana) 90/S (specialistiche in statistica demografica e sociale) 92/S (specialistiche in statistica per la ricerca sperimentale)</p> <p>A University graduate degree achieved in Italy, among those enlisted above; an equivalent Degree (Italian Laurea) achieved pursuant to the Italian system prior to Ministerial Decree 509/1999, amended by Ministerial Decree 270/2004; or any equivalent university Master's Degrees achieved in foreign Universities. Bachelor's Degrees are not admitted. For PhD admission purposes only, the equivalence between degrees awarded abroad and the Italian degrees will be assessed by the Board of Examiners.</p> <p>Undergraduates can apply for admission, but they must have passed their University Degree final examination by 31/10/2021. These candidates are required to provide the marks of the exams taken during their undergraduate university career.</p> |
| Number of available positions | n. 8 in total - n. 6 positions benefiting of a scholarship / equivalent financial support and - n. 2 positions without scholarship / equivalent financial support |
| Out of which: Reserved positions | - n. 0 |
| Number of scholarships / or equivalent financial support | - n. 6 for ordinary posts for EU and no EU citizens. |
| Scholarships linked to a research topic (among those already available) | Not envisaged |
| Selection procedure for ordinary and reserved positions | |
| Evaluation of Curriculum Vitae/Publications, etc. | Preliminary, the Committee 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 program. <p>Evaluation score: 0-20 points as follows:</p> a) 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 October 31, 2021); b) Publications: 0-4 points; c) Other qualifications: 0-6 points. |
| Presentation of a project proposal | The maximum score for the evaluation of the research project proposal is 40 points. Only candidates who score at least 24 points in the evaluation of their research proposal will be admitted to the oral exam. |
| Oral exam | The oral exam includes to discuss about the research project proposal presented, the candidate's list of publications and qualifications, and an oral evaluation of English language skills. |



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| | <p>The maximum score granted at the oral examination is 40.</p> <p>The oral examination is passed if a candidate achieves a score of at least 20. For candidates who do not understand Italian language, the oral exam will be held in English language.</p> <p>Knowledge of English will be evaluated for all candidates during the interview.</p> <p>The oral exam may be envisaged to take place remotely for all candidates, also due to the health emergency represented by COVID-19.</p> |
| Place and date of the oral exam | <p>The date (and, if needed, the place) of the oral exams will be published at least 20 days in advance on the UNIBS web site</p> <p>https://www.unibs.it/it/node/1078</p> |
| Contact information of the PhD Program | <p>Professor Domenico Russo, Dipartimento di Scienze Cliniche e Sperimentali, e-mail: domenico.russo@unibs.it</p> |
| PhD Teaching and research activity | <p>https://permalink.unibs.it/phd/37/iamed/en</p> |



| PhD PROGRAM IN PRECISION MEDICINE | |
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| Scientific areas | 02-Physical Sciences, 05-Chemical Sciences, 05- Biological Sciences; 06-Medical Sciences |
| Macro areas | 02/B, 03/B, 03/D, 05/E, 05/F, 05/G, 06/A, 06/C, 06/D, 06/M |
| Duration | 3 years |
| Starting date | November 1 st , 2021 |
| Proponent Structure | University of Brescia, Department of Molecular and Translational Medicine (DMMT) |
| Coordinator | Prof. Marco Presta |
| Curricula | None |
| Admission requirements | <p>The following University Degrees achieved in Italy:</p> <p>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-41 Medicine and Surgery LM-54 Chemistry LM-55 Cognitive Sciences LM-60 Nature Sciences LM-61 Science of Human Nutrition LM-67 Science and Technology of Preventive and Adaptive Physical Activities LM/SNT2 Rehabilitation Sciences 6/S (Biology) 7/S (Agricultural Biotechnologies) 8/S (Industrial Biotechnologies) 9/S (Medical, Veterinary and Pharmaceutical Biotechnologies) 14/S (Pharmacy and Industrial Pharmacy) 20/S (Physics) 26/S (Biomedical Engineering) 46/S (Medicine and Surgery) 58/S (Psychology) 62/S (Chemistry) 63/S (Cognitive Sciences) 68/S (Nature Sciences) 69/S (Science of Human Nutrition).</p> <p>Any equivalent academic degree to those listed above achieved from foreign Universities. Moreover, Specialist or Master's Degrees pursuant to the Italian University legal system preceding Ministerial Decree 509 of 3 November 1999, modified with Ministerial Decree 270 of 22 October 2004 are eligible. Bachelor's Degrees are not admitted. Undergraduates can apply for admission, but they must have passed the degree examination by 31/10/2021.</p> |
| Number of available positions | n. 8 in total - n. 6 positions benefiting of a scholarship / equivalent financial support and - n. 2 positions without scholarship / equivalent financial support |
| Out of which: Reserved positions | n. 1 reserved to candidates having an eligible academic degree achieved from foreign Universities |



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| Number of scholarships / or equivalent financial support | <ul style="list-style-type: none"> - n. 5 scholarships for ordinary posts for EU and no EU citizens - n. 1 scholarship reserved to candidates having an eligible academic degree achieved from non-Italian Universities. |
| Scholarships linked to a research topic (among those already available) | Not envisaged |
| Selection procedure for ordinary and reserved positions | |
| Evaluation of Curriculum Vitae/Publications, etc. | <p>Maximal score: 30/100</p> <ul style="list-style-type: none"> - University degree final score: maximal score 10/100 - Average grade of examinations passed during the course (only for undergraduates who will pass the degree examination by October 31, 2021): maximal score 10/100 - Publications: maximal score 8/100 - Presentations to scientific meetings: maximal score 6/100 - Other qualifications: specialization, educational courses and stages, conference attendance. English language certificates: maximal score 6/100 - One letter of recommendation must be provided jointly with the other documents required for application. |
| Presentation of a project proposal | <p>Maximum score: 10/100</p> <p>A proposal for a research project on a topic related to Precision Medicine area of study must be enclosed to the application. The proposal, having a length of max. 1.500 words, to be drafted in English, has the sole purpose of evaluating the candidate's aptitude for research and will be subject of discussion during the oral examination. The proposal will not necessarily represent the topic of the research activity that will be carried out by the PhD student within the PhD program.</p> |
| Oral examination | <p>Maximum score: 60/100</p> <p>Interview on one of the thematic areas of the curriculum indicated by the candidate and on the research proposal included in the application; discussion on the provided qualifications; evaluation of the knowledge of English language; evaluation of communication skill and motivation to research.</p> <p>The oral examination is passed if the achieved score is no lower than 30/100.</p> <p>Knowledge of the Italian language is not required to foreign candidates. To access the oral examination it is mandatory to have achieved a score equal to or greater than 18/40 resulting from the score achieved in the Evaluation of Curriculum Vitae (which includes a maximum of 30 points) added to the one achieved in the Research project proposal (which includes a maximum of 10 points).</p> <p>The oral examination may be envisaged to take place remotely for all candidates, also due to the health emergency represented by COVID-19.</p> <p>The computer of the candidate must be equipped with a webcam in order to ensure proper identification.</p> |
| Place and date of exam | <p>The date (and, if needed, the place) of the oral exams will be published at least, 20 days in advance on the UNIBS web site</p> <p>https://www.unibs.it/it/node/1078</p> |
| Contact information of the PhD Course | Precision Medicine Secretariat: segreteria.precisionmedicine@unibs.it |
| PhD Teaching and research activity | https://permalink.unibs.it/phd/37/precmed/en |



| PhD PROGRAM IN BIOMEDICAL SCIENCES AND TRANSLATIONAL MEDICINE | |
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| Scientific areas | 05- Biological Sciences; 06-Medical Sciences |
| Macro areas | 05/G; 05/E; 06/M; 06/A; 06/D; 06/F; 06/I |
| Duration | 3 years |
| Starting date | November 1 st , 2021 |
| Proponent Structure | Department of Molecular and Translational Medicine |
| Coordinator | Prof. Mariacristina Missale |
| Curricula | Neuroscience Oncology and Immunology Pharmacology and Microbiology https://permalink.unibs.it/phd/37/scienzebio/en |
| Admission requirements | <p>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 LM-51 Psychology LM-54 Chemical Sciences LM-55 Cognitive Sciences LM-61 Science of Human Nutrition LM-67 Science and Technology of Preventive and Adaptive Motor Activities. LM/STN2 Rehabilitation sciences for health professions</p> <p>Any equivalent academic degree to those listed above achieved from foreign Universities. Moreover, Specialist or Master's Degrees pursuant to the Italian University legal system preceding Ministerial Decree 509 of 3 November 1999, modified with Ministerial Decree 270 of 22 October 2004 are eligible. Bachelor's Degrees are not admitted.</p> <p>Undergraduates can apply for Admission, but they must have passed the University Degree final examination by 31/10/2021. These candidates are required to provide the marks of the exams taken during their undergraduate university career.</p> |
| Number of available positions | n. 8 in total - n. 6 positions benefiting of a scholarship / equivalent financial support and - n. 2 positions without scholarship / equivalent financial support |
| Out of which: Reserved positions | Not envisaged |
| Number of scholarships / or equivalent financial support | - n. 6 scholarships for ordinary posts for EU and no EU citizens |
| Scholarships linked to a research topic (among those already available) | Not envisaged |
| Selection procedure for ordinary and reserved positions | |
| Evaluation of Curriculum | Maximal score: 30/100 |



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| Vitae/Publications, etc. | <ul style="list-style-type: none"> - University degree final score: maximal score 10 - Average grade of examinations passed during the course (only for undergraduates who will pass the degree examination by October 31, 2021): maximal score 10 - Publications: maximal score 8 - Presentations to scientific meetings: maximal score 6 - Other qualifications: specialization, educational courses and stages, conference attendance, English language certificates: maximal score 6 |
| Written exam or evaluation of a project proposal | Not envisaged |
| Oral examination | <p>Maximal score: 70/100</p> <p>Interview on one of the thematic areas of the curriculum indicated by the candidate; discussion on the provided qualifications; evaluation of the knowledge of English language; evaluation of communication skill and motivation to research.</p> <p>The oral examination is passed if the achieved score is no lower than 30.</p> <p>Knowledge of the Italian language is not required to foreign candidates. The candidates' computer must be equipped with a webcam in order to ensure proper identification.</p> <p>The oral examination may take place remotely for all candidates, also due to the health emergency represented by COVID-19.</p> |
| Place and date of exam | <p>The date (and, if needed, the place) of the oral exams will be published at least 20 days in advance on the UNIBS web site</p> <p>https://www.unibs.it/it/node/1078</p> |
| Contact information of the PhD Course | Prof. Mariacristina Missale, e-mail: mariacristina.missale@unibs.it |
| PhD Teaching and research activity | https://permalink.unibs.it/phd/37/scienzebio/en |