



UNIVERSITY
OF BRESCIA

**PHD
PROGRAMMES**
AT THE
UNIVERSITY
OF BRESCIA
ITALY






The PhD (Dottorato di Ricerca) in Italy

The PhD (Dottorato di Ricerca) in Italy is a 3rd level post-graduate study programme for candidates with 2nd level degrees (Master of Science degree or similar academic qualification awarded abroad).

It is a (minimum) 3-year-course which aims to provide the necessary background and skills to develop and carry out forefront research activities in public and private institutions, as well as the qualifications to practice as a self-employed professional. It is intended to contribute to the creation of the European Higher Education Area and the European Research Area. Specific PhD Programmes may also be launched via agreements with other Italian or foreign universities, public or private institutions of adequate cultural and scientific qualification, or in agreement with public bodies or enterprises.



The course organization comprises structured educational activities, which may be shared between multiple PhD Programmes, including basic and advanced disciplinary and interdisciplinary training, further language and IT training, specific training in research management and in approaching european and international research systems, as well

as in promotion of research results and intellectual property. Every PhD candidate, under the supervision of a professor acting as the thesis director, defines and develops a specific and personal research project that will culminate in the completion of the PhD thesis. It is also possible to undertake periods of study and research abroad, at public and private institutions.

At the conclusion of their educational and research training period, the candidates will present and discuss their thesis work in front of an Evaluation Panel in a public exam and they are awarded the title of Doctor of Philosophy (PhD).



ADMISSION AND APPLICATION PROCEDURES

Admission to the PhD Programme

is subject to competitive application, with no citizenship limitation.

The University of Brescia publishes an annual call for applications to PhD Programmes, indicating for each programme the number of positions available with a study grant, and those without study grant.

Calls for applications are generally

published in early summer each year, via a dedicated online procedure.

The admission selections of candidates are performed based on the specific criteria and requirements established for each PhD programme as described in the Call for Applications.

According to the procedures established for each PhD programme, oral admission exams may be taken in

some cases in a language other than Italian. If so specified for the considered PhD programme, candidates resident abroad may sit the oral exam remotely, by using an audio and video teleconference device (e.g. Skype).

SCHOLARSHIPS



Student scholarships are available for each PhD programme as defined in the Call for Applications, according to the merit ranking list drawn up by an Admission Board.

PhD scholarships may not be combined with other student grants of any kind, except for those awarded by national or foreign institutions for use as part

of PhD research activity undertaken abroad.

No enrolment fees are requested. All students are required to settle, before enrolment, only a total contribution of €156,00.





FACILITIES

Each PhD student is ensured the access to fully equipped laboratories, study rooms, libraries and facilities, and a budget for research activity in Italy and abroad is available.

Accommodations for PhD students in student houses can be accessible upon specific application. Access criteria are defined each year in an Accommodation Call, generally announced on the UNIBS website in September.

The University of Brescia offers a wide range of opportunities in the following 9 programmes across different research areas:



PhD in BUSINESS & LAW - INSTITUTIONS AND BUSINESS: VALUE, RULES AND SOCIAL RESPONSIBILITY

Due to the current structural crisis affecting the global socio-economic system a fierce debate on the role of business in society has been taking place: in fact, innovative, more reliable business models and managerial approaches are badly needed in order to create value(s) for

the various stakeholder groups. The new PhD programme in “Business and Law” aims at developing qualified scholars and practitioners capable of understanding the crucial importance of values, institutions, and rules in order to foster responsible and sustainable firms.

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PhD in ANALYTICS FOR ECONOMICS AND MANAGEMENT

Analytics is the scientific process for transforming data into insights for the purpose of making better decisions. The aim of the PhD programme is to provide mathematical, statistical and computational tools to analyse data and make the best complex economic and business decisions. With these tools it is possible to undertake research activities in many areas of Economics and Management, such as Business, Energy, Environment, Finance, Logistics, Sport.

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PhD in BIOMEDICAL SCIENCES AND TRANSLATIONAL MEDICINE

**(Curricula: - Neuroscience - Immunology and
Oncology - Pharmacology and Microbiology)**

The PhD programme is designed to prepare students for careers in medical and industrial research in academia, research institutes and private/public services and companies within the

expanding areas of biotechnology for health and the environment, genomics, medical genetics, nutrigenetics and nutrigenomics, forensic biology and genetics.

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PhD in MOLECULAR GENETICS, BIOTECHNOLOGIES AND EXPERIMENTAL MEDICINE

**(Curricula: - Molecular Genetics Applied to Medical Sciences -
Biotechnologies for the Health and the Environment - Forensic
Medical Science)**

The mission of the PhD programme is to promote interdisciplinary training and education in the fields of neuroscience, immunology, oncology, pharmacology and microbiology with the aim of producing new knowledge

on the molecular and cellular physiopathology of human diseases and of enhancing the transfer of such new knowledge to the medical sciences especially in the fields of diagnosis and therapy.

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PhD in PRECISION MEDICINE

metabolomics and interactomics; identification of biomarkers and personalised medicine; identification of new mechanisms of disease; development of innovative disease models; development of advanced diagnostic technologies.

The PhD programme aims at training professionals who possess the knowledge, methodological tools and skills that will enable them to understand and develop advanced strategies to implement

patient-focused models of diagnosis and treatment. In particular, it focuses on professional expertise in the following fields: bioinformatics and biomedical informatics; genomics, transcriptomics, proteomics,

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PhD in MECHANICAL AND INDUSTRIAL ENGINEERING

**(Curricula: - Curriculum on
basic research - Industrial
curriculum - International
curriculum)**

The aim of the PhD programme is to provide young researchers and professionals with the necessary knowledge, skills, experience, independence and leadership that will enable them to acquire a high-level professional profile in technological, research, innovation, development, design, production, and logistic positions in industrial sectors.

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PhD in INFORMATION ENGINEERING

(Curricula: - Electronics Engineering, Sensors and Instrumentation - Computer Science/Engineering and Control Systems - Telecommunication Engineering - Physical Sciences for Engineering)

The PhD programme is intended to provide a qualified and updated third level education and training programme in the fields of strongest interest and scientific impact in all backbone sectors of information

engineering. PhD students are offered the opportunity to engage in highly competitive research activities of national and international relevance, aiming at excellence in their respective disciplines.

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PhD in CIVIL AND ENVIRONMENTAL ENGINEERING, INTERNATIONAL COOPERATION AND MATHEMATICS

(Curricula: - Appropriate Methodologies and Techniques for International Development Cooperation – Mathematical Methods and Models for Engineering – Natural Risk Assessment and Management – Urban Planning and Mobility – Structural Rehabilitation of Historical and Modern Buildings)

The PhD programme intends to encourage participation from foreign students and collaborative activities with national and international research centres. It is divided into several curricula: recovery of historical and contemporary buildings; appropriate

methodologies and techniques in international development cooperation; mathematical methods and models for engineering; city and territory times and places; analysis and management of natural risks.

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PhD in TECHNOLOGY FOR HEALTH

The PhD programme trains graduates through strong interdisciplinary education in engineering, medicine and biology to develop high level problem-solving abilities focused on health. These fields of research

are currently of enormous scientific and technical interest for industries, governmental organisations and society in general.

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LIVING IN BRESCIA AS A STUDENT



Here are a few examples of approximate prices in Brescia (in euros):

250/2,500 Tuition fees (1000 max for students from low-middle income countries)

200/250 Shared room in a shared apartment (per month+utilities)

30 Cost of buying food at the supermarket for one week

12 Pizza + beer in a pizzeria

2.50 Cappuccino+ croissant in a café

3/7 Meal at the university canteen

5/7 Meal at a café (a beverage+ a sandwich)

4 Beer in a pub

7 Refreshments during happy-hour

1.40 Bus ticket (90' validity)

13 "City-pass" (bus ticket for 10 trips)

35 Student monthly bus ticket

7/9 Ticket to see a newly-released film at the cinema

4/8 Museum ticket



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