



**Attention:** The telematic oral examination for foreign candidates residing abroad is now possible in the form on page 17 (Chancellor's Decree No. 618 dated August 29<sup>th</sup>, 2012).

**NOTICE OF AMENDMENT:** For foreign students who are residing abroad, the forms on pages 4, 5 and 16 have been implemented with telematic oral examination. In the form on page 18, new fields have been added as admission requirements. (Chancellor's Decree No. 669 dated September 18<sup>th</sup>, 2012).

**ANNEX 1**  
**TO THE ANNOUNCEMENT OF A PUBLIC COMPETITION**  
**FOR ADMISSION TO THE DOCTORAL SCHOOLS AND PH.D. PROGRAMS**  
**ANNO ACCADEMICO 2012/13 – XXVIII CICLO**

**F O R M S**

<b>ECONOMIC DISCIPLINES</b>	Pag.
Ph.D. in Economic Sociology	2
<b>MEDICAL DISCIPLINE</b>	
Ph.D. in Cellular and Molecular Biotechnologies applied to Biomedical Sector	4
Ph.D. in Molecular Genetics Applied to Medical Sciences	5
Ph.D. in Microbiology	6
Ph.D. in Neurosciences	7
Ph.D. in Medical-Forensic Sciences	8
<b>ENGINEERING DISCIPLINES</b>	
Ph.D. in Places and Times of the City and the Area	9
Ph.D. in Structural Rehabilitation of Historical and Modern Buildings	10
Ph.D. in Appropriate Methods and Technologies for International Development Cooperation	12
Ph.D. in Technology for Health	14
Ph.D. in Electronic Engineering, Sensors and Instrumentation	15
Ph.D. in Mathematical Models and Methods for Engineering	16
Ph.D. in Applied Mechanics	17
Ph.D. in Computer Science, Engineering and Control Systems	18
Ph.D. in Telecommunications Engineering	20
Ph.D. in Materials for Engineering	21
PhD in Design and Management of Integrated Logistic and Productive Systems	23
PhD in Technologies and Energy Systems for the Mechanical Industry	25
Doctoral School in Engineering Science - procedures	27

## MACROAREA 2 - ECONOMIC DISCIPLINES

### PH.D. PROGRAM IN ECONOMIC SOCIOLOGY

Coordinator: Prof. Giancarlo Provasi  
Department: Department of Social Studies

**Duration: 3 years**

	Number of available positions	Number of scholarships
Ordinary positions	3	2

**Funding:** 2 scholarships funded by the University of Brescia

**Partner Universities** Università Politecnica delle Marche – Dipartimento di Scienze economiche e sociali; Università di Milano – Dipartimento di Scienze sociali e politiche; Università di Milano Bicocca - Dipartimento di Sociologia e ricerca sociale; Università di Cagliari - Dipartimento di Scienze sociali e delle istituzioni; Università di Trento - Dipartimento di Sociologia e ricerca sociale

**Scientific Sectors:** SPS/09 (Economic sociology)

#### **Admission requirements:**

M. -Sc. (or equivalent) in Sociology, Political Sciences, Economics (including Environmental, Culture economics), Finance, Cognitive sciences, Public Administration, Business Administration, Management, Social and Public Policy.

**A letter of reference** (written in Italian or English) by a professor or researcher with whom the candidate has had previous collaboration (e.g., as dissertation tutor or research assistant) **is required**.

The letter must: (a) explicitly acknowledge the degree of personal knowledge between the persons involved, and (b) include a personal and detailed evaluation of the scientific attitude, propensity and expertise of the candidate.

The letter should be sent **on 15<sup>th</sup> October 2012** at the latest directly by the signatory via e-mail (as a scanned document) to the Coordinator of the Ph.D. program, Prof. Giancarlo Provasi, at the following e-mail [segdss@eco.unibs.it](mailto:segdss@eco.unibs.it). The receipt will be acknowledged at the e-mail address of the candidate. Please, note that **the letter is compulsory for the candidate's admission to the selection procedure**.

**Admission procedures:** assessment of qualifications and preparation and discussion of a research project, written in Italian or English. Please, note that the project for the admission does not bind the choice of the candidate's future PhD project, once admitted to the program.

The **project** should be no more than 25000 characters and structured as follows:

- 0. Author
- 1. Title
- 2. A brief review of the literature

- 3. Motivations behind the research
- 4. Hypotheses and research design
- 5. Methods and tools
- 6. References.

The project should concern a topic of interest for the doctoral program. The list of topics can be accessed at the following address (see “main themes and areas”): <http://www.unibs.it/teaching-activities/doctoral-programmes/economics/economic-sociology>

**Discussion of a research project:** 19<sup>th</sup> October 2012, at 10,00 am - Dipartimento di Studi Sociali, Via San Faustino 74/B - Brescia

**Foreign candidates who are residents abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the Examination Committee allows it. The computer of the candidate must be equipped with a web-cam in order to ensure the identification.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic examination will be given **concomitantly** to the oral examinations of the other candidates.

## MACROAREA 4 - MEDICAL DISCIPLINE

### **PH.D. PROGRAM IN CELLULAR AND MOLECULAR BIOTECHNOLOGIES APPLIED TO BIOMEDICAL SECTOR Part of the Ph.D School of Biomedical Sciences and Translational Medicine**

Coordinator: Prof. Luigi Caimi

Department: Department of Biomedical Sciences and Biotechnologies

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>
<b>Extra positions for foreign citizens <sup>(1)</sup></b>	<b>2</b>	<b>1</b>
<b>Total number</b>	<b>6</b>	<b>3</b>

<sup>(1)</sup> The extra-positions are only for applicants of non-italian citizenship (both EU and extra-EU) who will be successfully positioned in the final merit ranking list.

#### **Funding:**

2 scholarships funded by the University of Brescia;

1 scholarship funded by the Young Researcher Fund for a research project on Human Health (Study and therapy of tumors and neurodegenerative diseases with new approaches derived from decoding human genome).

**Scientific Sectors:** BIO/10,MED/04, BIO/12, AGR/17, BIO/11, BIO/14, CHIM/10, MED/05.

#### **Admission requirements:**

M. -Sc. (or equivalent)

*Laurea vecchio ordinamento:* Chimica, Chimica e tecnologie farmaceutiche, Farmacia, Medicina e Chirurgia, Medicina Veterinaria, Scienze Agrarie, Scienze Biologiche, Scienze delle preparazioni alimentari.

*Laurea nuovo ordinamento:* 6/S (in biologia), 7/S (in biotecnologie agrarie), 8/S (in biotecnologie industriali), 9/S (in biotecnologie mediche, veterinarie e farmaceutiche), 14/S ( in farmacia e farmacia industriale), 27/S (in ingegneria chimica), 46/S (in medicina e chirurgia), 47/S (in medicina veterinaria), 62/S (in scienze chimiche), 77/S (in scienze e tecnologie agrarie), 78/S (in scienze e tecnologie agroalimentari), 79/S (in scienze e tecnologie agro-zootecniche).

**Admission procedures:** assessment of qualifications, oral examination to ascertain the preparation of the Ph.D. candidate, the ability to carry out research work and to ascertain the knowledge of English language.

**Oral exam:** 8<sup>th</sup> October 2012 at 14.00 pm - Faculty of Medicine, Viale Europa, 11 – Brescia.

**Foreigner candidates residing abroad will have the option to take the oral exam by a telematic platform (Skype, for instance), if the judging committee allows it. The computer of the candidate must be equipped with a web-camera in order to ensure the identification.**

**When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic oral examination will be given concomitantly to the oral examinations of the other candidates.**

**PH.D. PROGRAM  
IN MOLECULAR GENETICS  
APPLIED TO MEDICAL SCIENCES**

**Part of the Ph.D. School of Biomedical Sciences and Translational Medicine**

**Coordinator:** Prof. Giuseppina De Petro

**Department:** Department of Biomedical Sciences and Biotechnologies

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>5</b>	<b>4</b>

**Funding:**

1 scholarship funded by the University of Brescia;

1 scholarship funded by the Young Researcher Fund for a research project “Revitalising the pharmaceuticals industry, also through the fine chemistry of natural compounds for new diagnostic applications and new active ingredients”.

2 scholarships funded by the Department of Medical and Surgical Sciences - Division of Blood Diseases.

**Scientific fields:**

Experimental and Applied Cell Biology, Genetics and Genomics, Molecular Genetics Applied to Medical Sciences, Medical Genetics (BIO/13, BIO/18, MED/03).

Other Scientific fields involved in studies of Cell Biology and Molecular Genetics Applied to Medical Sciences: Histology, Blood Diseases, General Surgery, Psychiatry, Eye Diseases, Dermatology, General and Specialized Pediatrics, Occupational Medicine (BIO/17, MED/15, MED/18, MED/25, MED/30, MED/35, MED/38, MED 44)

**Admission requirements:**

*Master's Degree in the following fields (corresponding to italian laurea specialistica/ magistrale/vecchio ordinamento)*

Genetics, Genomics, Molecular Genetics, Human Genetics, Medical Genetics, Biology; Biotechnologies; Molecular Biology; Biochemistry; Zoology, Veterinary Science, Pharmacy, Pharmaceutical Sciences, Informatics, Bioinformatics, Medicine, Veterinary Medicine, Biomedical Engineering

**Admission procedures:** assessment of qualifications, oral examination to ascertain the preparation of the Ph.D. candidate, the ability to carry out research work and to ascertain the knowledge of English language.

**Oral exam:** 3<sup>rd</sup> October 2012, at 2.00 pm - Division of Biology and Genetics, Department of Biomedical Sciences and Biotechnologies, Viale Europa n. 11 - 25123 Brescia.

**Foreigner candidates residing abroad will have the option to take the oral exam by a telematic platform (Skype, for instance), if the judging committee allows it. The computer of the candidate must be equipped with a web-camera in order to ensure the identification.**

**When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic oral examination will be given concomitantly to the oral examinations of the other candidates.**

**PH.D. PROGRAM  
IN MICROBIOLOGY**

**Part of the Ph.D. School of Biomedical Sciences and Translational Medicine**

Coordinator: Prof. Arnaldo Caruso

Department: Department of Experimental and Applied Medicine.

**Duration: 3 years**

	<b>Number available positions</b>	<b>Number of scholarships of</b>
<b>Ordinary positions</b>	<b>3</b>	<b>2</b>

**Funding:** 2 scholarships funded by the University of Brescia.

**Scientific Sectors:** MED/07 .

**Admission requirements:**

M. -Sc. (or equivalent)

*Laurea Specialistica/Magistrale:*

Medicine and Surgery Classe 46/S, LM-41, Biology Classe 6/S, LM-6, Biotechnologies Classe 9/S, LM-9, Pharmacy Classe 14/S, LM-13, Chemistry and Pharmaceutical Technology LM-13.

*Laurea Del Vecchio Ordinamento (Ante D.M: 509/99) In:*

Medicine and Surgery, Biology, Biotechnologies, Pharmacy

**Admission procedures:** assessment of qualifications, oral examination to ascertain the preparation of the PhD candidate, the ability to carry out research work and to ascertain the knowledge of English.

**Oral exam:** 11<sup>th</sup> October, 2012 at 11.00 a.m. - Sezione di Microbiologia presso gli Spedali Civili di Brescia, Piazzale Spedali Civili, 1 – 25123 Brescia.

**PH.D. PROGRAM  
IN NEUROSCIENCES**

**Part of the Ph.D. School of Biomedical Sciences and Translational Medicine**

**Coordinator:** Prof. Mariacristina Missale

**Department:** Department of Biomedical Sciences and Biotechnologies

**Duration:** 3 years

	<b>Number available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>
<b>Extra positions for foreign citizens<sup>(1)</sup></b>	<b>2</b>	<b>1</b>
<b>Total number</b>	<b>6</b>	<b>3</b>

<sup>(1)</sup> The extra-positions are only for applicants of non-italian citizenship (both EU and extra-EU) who will be successfully positioned in the final merit ranking list.

**Funding:**

2 scholarships funded by the University of Brescia

1 scholarship funded by the Young Researcher Fund for a research project on Human Health (Study and therapy of tumors and neurodegenerative diseases with new approaches derived from decoding human genome).

**Research Fields:** Neurophysiology; Neuropharmacology; Signal transduction and receptor-receptor interactions; Neuroanatomy; Molecular Biology; Biochemistry; Neuroendocrinology; Medicine and Nursing; Experimental and Clinical Neurology; Neuropathology; Neuroimaging; Children Neuropsychiatry; Experimental Neurosurgery; Clinical Neurosurgery; Cellular and animal models of diseases; Molecular basis of neurodegenerative diseases; Therapy of neurodegenerative diseases; Brain development.

**Admission requirements:** Degree in Medicine (MD), Master Degree in the following fields:

Biology; Biotechnologies; Biochemistry; Molecular Biology; Pharmacy; Physiology; Medicinal Chemistry; Biomedical Engineering; Cognitive Sciences; Psychology; Nursing.

**Admission procedures:** assessment of qualifications (evaluation of the Curriculum Vitae, including academic qualifications, publications and academic career) and oral examination aimed at evaluating the general knowledge of the main Neuroscience Topics, the applicants' interest in the scientific research, the knowledge of English. The oral examination may be given in English.

**Oral exam:** 5<sup>th</sup> October 2012 at 10,00 am - Sezione di Farmacologia del Dipartimento di Scienze Biomediche e Biotechnologie, Viale Europa, 11 – 25123 Brescia.

**Foreign candidates who are residents abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the Examination Committee allows it. The computer of the candidate must be equipped with a web-cam in order to ensure the identification of candidates.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic examination will be given **concomitantly** to the oral examination of the other candidates.

**PH.D. PROGRAM IN  
MEDICAL-FORENSIC SCIENCES**

Coordinator: Prof Francesco De Ferrari

Department: Department of Surgical Specialty, Radiological and Medical-Forensic Sciences

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>

**Funding:** 1 scholarship funded by the University of Brescia,  
1 scholarship funded by the University of Insubria -Varese.

**Partner Universities:** University of Insubria-Varese, Department of Biotechnology and Life Sciences.

**Scientific-Disciplinary Sectors:** MED/43, MED/25, M\_FIL/03.

**Admission requirements:**

“*diploma di laurea/laurea specialistica/laurea magistrale*”, or an equivalent second-level degree (generally equivalent to a Master’s Degree):

Medicine (*Class LM-41 e 46/S*), Law Degree (*Class LMG-01 e 22/S*),

Chemistry and Pharmaceutical Technology (*Class LM-13 e 14/S*),

Medical Biotechnology (*Class LM-9 e 9/S*).

**Admission procedures:** assessment of qualifications, written and oral examination to verify the aptitude for scientific research. Required foreign language: English.

**Qualifications**

**Maximum score evaluable: 20 points**

Degree evaluation	Max 7 points	Less than 100 = 0 points between 100 and 109 = 0,50 per point 110 = 6 points 110 cum laude = 7 points
Post-graduate course evaluation	Max 5 points	Less than 45 = 0 points between 45 and 50 = 0,50 per point 50 = 4 points 50 cum laude = 5 points
Activity as Research Assistant	Max 5 points	1 point for each year
Professional tasks documented in medical-forensic disciplines	Max 3 points	1 point for each year

**Written exam:** 12<sup>th</sup> October 2012 at 10.30 am Faculty of Medicine, Viale Europa 11, 25123 Brescia.

**Oral exam:** 12<sup>th</sup> October 2012 at 2.00 pm - Faculty of Medicine, Viale Europa 11, 25123 Brescia.



## MACROAREA 3 – DISCIPLINE INGEGNERISTICHE

### PH.D. PROGRAM IN PLACES AND TIMES OF THE CITY AND OF THE AREA

Coordinator: Prof. Roberto Busi

Department: Department of Civil Engineering, Architecture, Land and Environment (DICATA)

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>

#### **Funding:**

1 scholarship funded by the University of Brescia;

1 scholarship funded by the Department DICATA.

#### **Partner Universities:**

*Polytechnic of Milano*, Campus of Piacenza (Department of Architecture and Planning -DIAP);

*Universidad Politécnica de Madrid* (E.T.S. de Ingenieros de Caminos, Canales y Puertos);

*University of Bergamo* (Department of Design and Technologies);

*University of Bologna* (Department of Physics, Department of Architecture and Territorial Planning, Department of Electronics, Computer Sciences and Systems);

*University of Genova* (Department of Civil Engineering, Urban Planning and Materials Engineering DEUIM);

*University of Padova* (Department of Civil and Environmental Engineering - DICEA),

*University of Udine* (Department of Civil Engineering and Architecture);

*Polytechnic of Marche* (Department of Materials, Environmental Sciences and Urban Planning).

**Scientific Disciplinary Sectors:** AGR/10, ICAR/05; ICAR/07, ICAR/09 ; ICAR/14; ICAR/17, ICAR/20; ICAR/21; ICAR/22; MAT05, MAT07; MAT09.

#### **Admission requirements:**

Degree (ante D.M: 509/99) or a Master Degree. Good knowledge of one or more of the following foreign languages: English, French, German, Spanish.

**Admission procedures:** assessment of qualifications, written examination, oral examination to ascertain the candidate's attitudes.

#### **Titles:**

The Commission will consider and assess only the certified titles (self-certification or true copy) relevant to the Doctorate subjects, with a maximum score of 10 points assigned as follows:

Degree, maximum	max 5 points;
Scientific publications,	max 3 points;
Others qualifications	max 2 points.

**Written exam:** 11<sup>th</sup> October 2012 at 2.00 pm, at the Department of Civil Engineering, Architecture, Land and Environment (DICATA), Via Branze, 43 – 25123 Brescia.

**Oral exam:** 12<sup>th</sup> October 2012, at 9.00 am, at the Department of Civil Engineering, Architecture, Land and Environment (DICATA), Via Branze, 43 – 25123 Brescia

**PH.D. PROGRAM  
IN STRUCTURAL REHABILITATION  
OF HISTORICAL AND MODERN BUILDINGS**

Coordinator: Prof. Giovanni Plizzari

Department: Department of Civil Engineering, Architecture, Land and Environment and Department of Mathematics.

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>
<b>Extra positions for foreign citizens<sup>(1)</sup></b>	<b>2</b>	<b>1</b>
<b>Total number</b>	<b>6</b>	<b>3</b>

<sup>(1)</sup> The extra-positions are only for applicants of non-italian citizenship (both EU and extra-EU) who will be successfully positioned in the final merit ranking list.

**Funding:**

2 scholarships funded by the University of Brescia;

1 scholarship half funded by the Young Researcher Fund for a research project: “Advanced materials (in ceramic part) for structural applications”) and half funded by the Department DICATA (OCV contribution).

**Partner Universities:** Università degli Studi di Bergamo (Dipartimento di Progettazione e Tecnologie); Università degli Studi di Padova (Dipartimento di Ingegneria Civile, Edile e Ambientale); Università degli Studi di Roma Tor Vergata (Dipartimento di Ingegneria Civile); Università degli Studi di Trento (Dipartimento di Ingegneria Meccanica e Strutturale); Università degli Studi di Udine (Dipartimento di Ingegneria Civile e Architettura); Università di Venezia IUAV (Dipartimento di Costruzione dell’Architettura).

**Scientific Sectors:** ICAR /06; ICAR /07; ICAR /08; ICAR/09; ICAR /18;ICAR /19.

**Admission requirements:**

*Laurea specialistica/Magistrale in:*

Ingegneria Civile Classe 28/S, Ingegneria per l’Ambiente e il Territorio Classe 38/S,

Ingegneria Edile-Architettura Classe 4/S, Ingegneria Edile Classe 4/S, Architettura Classe 4/S

*Laurea del vecchio ordinamento* (ante D.M. 509/99) in:

Ingegneria Civile

Ingegneria per l’Ambiente e il Territorio

Ingegneria Edile

Architettura

**A letter of reference**, written in Italian or English, by University professors or by experts in the Ph.D areas.

The letter must: (a) explicitly acknowledge the degree of personal knowledge between the persons involved, and (b) include a personal and detailed evaluation of the scientific attitude, propensity and expertise of the candidate.

The letter should be sent **within the deadline** of this Call (**27<sup>th</sup> September 2012**) directly by the signatory via e-mail (as a scanned document) to the Coordinator of the Ph.D. program, Prof. Giovanni Plizzari, at the following e-mail [giovanni.plizzari@ing.unibs.it](mailto:giovanni.plizzari@ing.unibs.it).

**Admission procedures:** assessment of qualifications and preparation and discussion of a research project, written in Italian or English. The project for the admission 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 and structured as follows:

- 0. Author
- 1. Title
- 2. A brief review of the literature
- 3. Motivations behind the research
- 4. Hypotheses and research design
- 5. Methods and tools
- 6. References.

The research project must be attached to the online application for admission.

The examination comprises an interview whose purpose is to ascertain the applicant's degree of preparation, skills and aptitude for scientific research and personal motivation. The interview also aims to verify the applicant's knowledge in the educational and academic areas specified for the PhD and includes the discussion of the research project proposed.

A reading and comprehension test of an English text will be performed for candidates who don't have appropriate certification (such as TOEFL, IELTS etc).

**Foreign candidates who are residents abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the Examination Committee allows it. The computer of the candidate must be equipped with a web-cam in order to ensure the identification.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic oral examination will be given **concomitantly** to the oral examinations of the other candidates.

The date and venue of the oral examination will be posted on the University website

<http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca>  
at least 20 days before it.

**PH.D. PROGRAM IN  
APPROPRIATE METHODS AND TECHNOLOGIES  
FOR INTERNATIONAL DEVELOPMENT COOPERATION**

Coordinator: Prof. Carlo Collivignarelli

Department: Department of Civil Engineering, Architecture, Land and Environment (DICATA),  
Department of Mathematics and Department for Mother and Child Care and Medical Biotechnologies

**Duration: 3 years**

	<b>Number available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>

**Funding:**

1 scholarship by the University of Brescia

1 scholarship co-funded by the Department DICATA and by the Department of Mathematics and Department for Mother and Child Care and Medical Biotechnologies

**Scientific Sectors:**

Basic knowledge: M-DEA/01, IUS15, M-GGR/02, SECS-P/01, SECS-P/02, SPS/06, M-PED/01;

Health curriculum: MED/01, MED/07, MED/17, MED/18, MED/42, MED/38, MED/40; AGR/11; MED/09.

Engineering curriculum: ICAR/03, ICAR/01, ICAR/02, ICAR/05, ICAR/06, ICAR/09, ICAR/20, ING-IND/14, ING-IND/10. ICAR/09.

**Admission requirements:**

**Health curriculum**

*Laurea Specialistica/Magistrale:*

Medicina e Chirurgia (46/S; LM-41), Biologia (6/S; LM-6), Biotecnologie Mediche, Veterinarie e Farmaceutiche (9/S; LM-9), Scienze della Nutrizione Umana (69/S; LM-61), Farmacia e Farmacia Industriale (14/S; LM-13).

*Laurea del vecchio ordinamento* (ante D.M: 509/99) in:

Medicina e Chirurgia, Scienze biologiche, Biotecnologie mediche, Biotecnologie farmaceutiche, Biotecnologie veterinarie, Chimica e tecnologie farmaceutiche.

**Engineering Curriculum**

*Laurea Specialistica/Magistrale:*

Ingegneria per l'ambiente e il territorio (38/S; LM-35), Ingegneria civile (28/S; LM-23), Scienze geologiche (86/S) e Scienze e tecnologie geologiche (LM-74), Scienze chimiche (62/S; LM-54), Scienze e tecnologie per l'ambiente e il territorio (82/S; LM-75), Scienze e tecnologie agrarie (77/S; LM-69),

Altre lauree specialistiche/magistrali in Ingegneria ritenute idonee dalla Commissione giudicatrice

*Laurea del vecchio ordinamento* (ante D.M: 509/99):

Ingegneria per l'ambiente e il territorio, Ingegneria civile, Scienze geologiche, Chimica, Scienze ambientali, Scienze agrarie,  
Altre lauree in Ingegneria ritenute idonee dalla Commissione giudicatrice.

**Admission procedures:** : assessment of qualifications and preparation and discussion of a research project, written in Italian or English, with a maximum of 25000 characters, including spaces plus tables/graphics. The project for the admission does not bind the choice of the candidate's future Ph.D. project, once admitted to the program.

The project should focus on the following topics:

**Health curriculum**

Discuss the infective problems related to gender differences in a resource-limited setting. Furthermore, with particular regard to sexually transmitted infections, propose general and specific objectives, methods and expected results of an operational research project in a high HIV prevalence and low school coverage context

**Engineering curriculum**

With regard to the Millennium Development Goals (MDGs), discuss the problems and the critical aspects related to the drinking water supply and sanitation. After selecting a specific topic, a research project is to be proposed, aimed at the identification of appropriate strategies to reach the MDGs.

**Discussion of a research project:** 15<sup>th</sup> October 2012, at 10,30 am – Aula riunioni - Department DICATA, Faculty of Engineering, Via Branze, 43 - Brescia.

**Foreign candidates who are residents abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the Examination Committee allows it. The telematic platform must be located in an official University setting, with a specific agreement between a local professor and the PhD coordinator. The telematic platform must be equipped with a web-cam in order to ensure the identification of the candidate.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of the candidate's identity, including two copies of an identity document. The telematic examination will be given **concomitantly** to the oral examinations of the other candidates.

## PH.D. PROGRAM IN TECHNOLOGY FOR HEALTH

Coordinator: Prof. Emilio Sardini

Department: Department of Information Engineering: Electronics, Computers, Telecommunications, Automatic with Department of Mechanical and Industrial Engineering, Department of Experimental and Applied Medicine, Department of Biomedical Sciences and Biotechnologies, Department of Surgical Specialty, Radiological and Medical-Forensic Sciences

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>
<b>Extra positions for foreign citizens <sup>(1)</sup></b>	<b>2</b>	<b>1</b>
<b>Total number</b>	<b>6</b>	<b>3</b>

<sup>(1)</sup> The extra-positions are only for applicants of non-italian citizenship (both EU and extra-EU) who will be successfully positioned in the final merit ranking list.

### **Funding:**

2 scholarship funded by the University of Brescia;

1 scholarship funded by the Young Researcher Fund for a research project “New applications of the biomedical industry”.

**Scientific Sectors:** BIO/14,CHIM/07,MED/04,MED/28,MED/44,ING-IND/13,ING-IND/14,ING-IND/17,ING-INF/02,ING-INF/04,ING-INF/07, MED/36, ING-IND/22

### **Admission requirements:**

Laurea Specialistica or Magistrale or equivalent in one of the following classes:

LM-41 Medicine and Surgery; LM-46 Dentistry and Dental Prostheses; LM-21 Biomedical Engineering; LM-22 Chemical Engineering; LM-25 Automation Engineering; LM-27 Telecommunications Engineering; LM29 Electronic Engineering; LM31 Management Engineering; LM32 Information Technology Engineering; LM33 Ingegneria Meccanica; LM35 Engineering for the Environment and Landscape; LM-9 Medical Veterinary and Pharmaceutical Biotechnologies; LM-8 Industrial Biotechnologies; LM-13 Pharmacy and Industrial Pharmacy.

**Admission procedures:** assessment of qualifications and preparation and discussion of a research project, in Italian or English.

**Foreign candidates who are residents abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the Examination Committee allows it. The computer of the candidate must be equipped with a web-cam in order to ensure the identification.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic oral examination will be given **concomitantly** to the oral examinations of the other candidates.

**The date and venue** of the oral examination will be posted on the University website

<http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca>

at least 20 days before it.

**PH.D. PROGRAM IN  
ELECTRONIC ENGINEERING, SENSORS AND INSTRUMENTATION**

**Part of the School in Engineering Science**

Coordinator: Prof. Vittorio Ferrari

Department: Department of Information Engineering: Electronics, Computers, Telecommunications, Automatic

**Duration: 3 years**

	<b>Number available positions</b>	<b>of</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>6</b>		<b>3</b>

**Funding:**

2 scholarships by the University of Brescia;

1 scholarship funded by the Young Researcher Fund for a research project in the field of: "ICT and electronic devices".

**Scientific Sectors:** ING-INF/01-03-05-07; FIS/01.

**Admission Requirements:**

Bachelor's and Master's degrees from accredited institutions, with solid background in one or more of the following specialities:

- Electrical and electronic engineering, computer science, telecommunication engineering
- Mechanical engineering, automation engineering, aeronautical/aerospace engineering
- Biomedical engineering, nuclear engineering, engineering physics, physics.

**Admission procedures:** evaluation of supporting documentation and qualifications, written and oral tests to assess the applicant perspective capability to undertake scientific research. Foreign language: English.

**Eligible supporting documentation and qualifications** concurring for up to a maximum of 20 points:

- Curriculum vitae
- Master thesis (title and one-page summary) and awarded mark/grade, transcript of academic exam list with marks
- Scientific publications
- Any other supporting documentation that can be considered pertinent and useful for the evaluation

The date and venue of the admission will be posted on the University website <http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca> at least 20 days before the exams.

**PH.D. PROGRAM IN  
MATHEMATICAL MODELS AND METHODS FOR ENGINEERING**

**Part of the Ph.D. School in Engineering Science**

Coordinator: Prof. Paolo Secchi

Department: Department of Mathematics with Department of Information Engineering: Electronics, Computers, Telecommunications, Automatic, Department of Mechanical and Industrial Engineering, and Department of Civil Engineering, Architecture, Land and Environment.

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>

**Financing:**

1 scholarship funded by the University of Brescia;

1 scholarship co-funded by the Department of Civil Engineering, Architecture, Land and Environment and the Department of Mathematics.

**Scientific Sectors:** MAT/O5, MAT/07, MAT/08, ICAR/08, ING-IND/31, ING-INF/02, ING-INF/04, MAT/02, MAT/03, ING-IND/08 , FIS/07.

**Admission requirements:**

(Italian) Laurea Specialistica or Magistrale in one of the following classes:

4 / S, Architecture and Engineering, 20 / S Physics, 25 / S 38 / S all the degrees in Engineering, 45 / S Mathematics, 50 / S Math-Physics Modelling for Engineering, 61 / S Science and Engineering of Materials, LM-4 Architecture and Architectural Engineering, or equivalent degree.

**Admission:** evaluation of didactic and academic achievements and preparation and discussion of a research project. Required foreign language: English.

The date and venue of the discussion of the research project will be posted on the University website <http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca> at least 20 days before it.

**Foreigner candidates residing abroad will have the option to take the oral exam by a telematic platform (Skype, for instance), if the judging committee allows it. The computer of the candidate must be equipped with a web-camera in order to ensure the identification.**

**When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic oral examination will be given concomitantly to the oral examinations of the other candidates.**



**PH.D. PROGRAM  
IN APPLIED MECHANICS**

**Part of the Ph. D. School in Engineering Science**

Coordinator: Prof. Giovanni Legnani

Department: Department of Mechanical and Industrial Engineering (DIMI)

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>8</b>	<b>4</b>

**Funding**

1 scholarship funded by the University of Brescia;

3 scholarships funded by the Young Researcher Fund for the following research projects:

- 2 of them to develop a project in the following area: "Advanced manufacturing systems with impact not only to tool machines industry, but also on manufacturing sectors of Made in Italy like textile and mechanics"
- 1 of them to develop a project in the following area: "Improvement and development of motor industry including 2 wheels vehicles with low-consumption and low environmental impact motors"

**Partner Universities:** Università degli Studi di Bergamo – Dipartimento di Progettazione e Tecnologie

**Scientific Sectors:** ING-IND12; ING-IND13; ING-IND14; ING-IND15. (Applied Mechanics, design, structure calculation, measurements)

**Admission requirements:**

Five year University Engineering Degree (Classi da LM20 a LM 35 o equivalent);

Five year University Design Degree (Classe LM-12 o equivalente).

Five year University Physics (Classe LM-17 o equivalente).

**Admission procedures:** assessment of qualifications and preparation and discussion of a research project, in Italian or English, on a subject related to the Ph.D. Course, but that does not constrain the choice of the subject to be developed during the Ph.D. course.

**Discussion of a research project:** 28<sup>th</sup> November 2012 at 9,30 am - Dipartimento di Ingegneria Meccanica e Industriale, Via Branze, 38 - Brescia.

**Foreigner candidates residing abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the judging committee allows it. The computer of the candidate must be equipped with a web-camera in order to ensure the identification.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic oral examination will be given **concomitantly** to the oral examinations of the other candidates.

**PH.D. PROGRAM  
IN COMPUTER SCIENCE, ENGINEERING  
AND CONTROL SYSTEMS**

**Part of the Ph.D. School in Engineering Science**

Coordinator: Prof. Alfonso Emilio Gerevini

Department: Department of Information Engineering: Electronics, Computers, Telecommunications, Automatic

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>
<b>Extra positions for foreign citizens</b>	*	*

\* The extra positions will be awarded according to the procedures described in the last page of the present document.

**Funding:**

1 scholarship by the University of Brescia

1 scholarship funded by Fondazione Malattie Infettive e Salute Internazionale di Brescia for carrying out a research project in the fields of: computer science, informatics for medicine and health-care.

**Scientific Sectors:** ING-INF/05; ING-INF/04; ING-IND/31; ING-INF/01; ING-INF/03;ING-INF/07.

**Admission requirements:**

University degree in one of the following fields: computer science, informatics, computer engineering, information engineering, electrical engineering, telecommunication engineering, **automation engineering, environmental and land engineering**, and similar fields. The academic degree held by the candidate is typically for a total academic training of 5 years, and it should be retained equivalent to the required Italian academic level by the board of this PhD program for the sole purpose of admission.

**Admission procedures:** assessment of qualifications, and interview/oral examination to ascertain the preparation of the PhD candidate and the ability of the candidate to carry out research work. The interview will also be used to determine the proficiency level of the English language of the candidate.

**Titles that will be evaluated:**

The Examination Committee will consider all elements in the career of the candidate (curriculum vitae) that are relevant to the topics and research areas of the doctorate. For a candidate with academic degrees obtained in a foreign country, the candidate should declare: the official number of years of the relative courses of studies, and the total number of years spent to complete all them.

Together with the academic degree, the candidate should provide a list, signed by the candidate, of the passed exams during the studies indicating the relative evaluation scores.

The evaluation criteria of the curriculum vitae of the candidate will be defined by the Evaluation Committee, once it will be established.

**Foreigner candidates residing abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the judging committee allows it. The computer of the candidate must be equipped with a web-camera in order to ensure the identification.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic oral examination will be given **concomitantly** to the oral examinations of the other candidates.

The date and venue for oral examination will be published on the University website at least 20 days in advance at <http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca>

**PH.D. PROGRAM IN  
TELECOMMUNICATIONS ENGINEERING**

**Part of the Ph.D. School in Engineering Science**

Coordinator: Prof. Riccardo Leonardi

Department: Department of Information Engineering: Electronics, Computers, Telecommunications, Automatic

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>
<b>Extra positions for foreign citizens</b>	*	*

\* The extra positions will be awarded according to the procedures described in the last page of the present document.

**Funding:**

1 scholarship funded by University of Brescia;

1 scholarship funded by Fondazione Cariplo (Progetto Relight)

**Scientific Sectors:** Telecommunications (ING-INF/03); Electromagnetic Fields (ING-INF/02) Automatic Control (ING-INF/04) Electronic Engineering (ING-INF/01); Computer Engineering (ING - INF/05) Electrical and Electronic Measurements (ING-INF/07) Computer Science (INF/01), Mathematics (MAT/05) Operation Research (MAT/09).

**Admission requirements:**

To hold a degree for a total academic training of at least 5 years (typically referred to in English language as "Master of Science") which can be retained equivalent to the corresponding Italian academic level by the board of this PhD program for the sole purpose of admission, in one of the following fields:

- Aerospace Engineering;- Astronomy; Automation Engineering; Biomedical Engineering; Civil Engineering; Computer Science; Electrical Engineering; Electronic Engineering; Land and Environmental Engineering; Mathematics; Management Engineering; Physics; Safety Engineering; Telecommunications Engineering

**Admission procedures:** assessment of qualifications (personal curriculum including any documented research result such as patent, publication, etc.) and interview. The interview will also be used to determine the proficiency level of the English language of the candidate.

**Foreigner candidates residing abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the judging committee allows it. The computer of the candidate must be equipped with a web-camera in order to ensure the identification.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity of the candidate, including a copy of an identity document. The telematic oral examination will be given **concomitantly** to the oral examinations of the other candidates.

The date and venue for holding the interview will be published on the University website at <http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca> at least 20 days in advance.

**PH.D. PROGRAM  
IN MATERIALS FOR ENGINEERING**

**Part of the Ph.D. School in Engineering Science**

Coordinator: Prof. Laura Eleonora Depero

Department: Department of Mechanical and Industrial Engineering (DIMI)

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>4</b>	<b>2</b>
<b>Extra positions for foreign citizens</b>	*	*

\* The positions will be awarded according to the procedures described in the last page of the present document.

**Funding:**

1 scholarship funded by the University of Brescia

½ scholarship funded by The Young Researcher Fund;

½ scholarship funded by ORAMA Project (VII Programma Quadro)

**Scientific Sectors:** CHIM/07;FIS/01; FIS/03; ICAR/08; ICAR/09; ING-IND/; ING-IND/17; ING-IND/21; ING-IND/22.

**Admission requirements**

M. -Sc. (or equivalent).

**Admission procedures:** titles and preparation and discussion of a project with the final aim to check the attitude of the candidate to carry out scientific research. Good knowledge of one or more of the following foreign languages: English, French, Spanish.

**Titles that will be evaluated:**

- Degree (score and relevance to the research activity);
- Certifications of language proficiency
- Certifications of the previous research activity
- Presentation letter(s) which must be prepared by a University professor or by an expert in the sector and must be uploaded by the Applicant together with all the documentation.

Documents necessary to upload (project proposal, presentation letter and other) are available at the website:

<http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca>

**Foreigner candidates residing abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the judging committee allows it. The computer of the candidate must be equipped with a web-camera in order to ensure the identification.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic oral examination will be given **concomitantly** to the oral examinations of the other candidates.

The date and venue of the oral examination will be posted on the University website

<http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca>

at least 20 days before it.

**PH.D. PROGRAM IN  
DESIGN AND MANAGEMENT OF INTEGRATED LOGISTIC  
AND PRODUCTIVE SYSTEMS**

**Part of the PhD School in Engineering Science**

Coordinator: Prof. Marco Alberti

Department: Department of Mechanical and Industrial Engineering (DIMI)

**Duration: 3 anni**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>6</b>	<b>3</b>
<b>Extra positions for foreign citizens</b>	*	*

\* The positions will be awarded according to the procedures described in the last page of the present document.

**Funding:**

1 scholarship funded by the University of Brescia;

2 scholarships funded by the Young Researcher Fund in the following fields:

- "Advanced manufacturing systems with impact not only to tool machines industry, but also on manufacturing sectors of Made in Italy like textile and mechanics"
- "Energy saving and distributed micro-generation".

**Scientific Sectors:** ING-IND/17., MAT/09, ING-INF/04, ING-IND/16, ING-IND/10, ING-IND/13, ING-INF/07, MAT/09, ING-IND/14.

**Admission requirements:**

*Lauree magistrali* (ex DM 270/2004):

LM-20 Ingegneria Aerospaziale e Astronautica, LM-21 Ingegneria Biomedica, LM-22 Ingegneria Chimica, LM-23 Ingegneria Civile, LM-24 Ingegneria Dei Sistemi Edilizi, LM-25 Ingegneria Dell'automazione, LM-26 Ingegneria Della Sicurezza, LM-27 Ingegneria Delle Telecomunicazioni, LM-28 Ingegneria Elettrica, LM-29 Ingegneria Elettronica, LM-30 Ingegneria Energetica e Nucleare, LM-31 Ingegneria Gestionale, LM-32 Ingegneria Informatica, LM-33 Ingegneria Meccanica, LM-34 Ingegneria Navale, LM-35 Ingegneria Per L'ambiente e Il Territorio, LM-40 Matematica, LM-44 Modellistica Matematico-Fisica Per L'ingegneria, LM-56 Scienze Dell'economia, LM-77 Scienze Economico-Aziendali.

*Lauree specialistiche* (ex DM 509/1999):

25/S Ingegneria Aerospaziale e Astronautica, 26/S Ingegneria Biomedica, 27/S Ingegneria Chimica, 28/S Ingegneria Civile, 29/S Ingegneria Dell'automazione, 30/S Ingegneria Delle Telecomunicazioni, 31/S Ingegneria Elettrica, 32/S Ingegneria Elettronica, 33/S Ingegneria Energetica e Nucleare, 34/S Ingegneria Gestionale, 35/S Ingegneria Informatica, 36/S Ingegneria Meccanica, 37/S Ingegneria Navale, 38/S Ingegneria per l'ambiente e il Territorio, 45/S Matematica, 50/S Modellistica Matematico-Fisica per l'ingegneria, 64/S Scienze dell'economia, 84/S Scienze Economico-Aziendali

*Laurea del vecchio ordinamento* (ante DM 509/1999): laurea in Ingegneria.

**Admission procedures:** assessment of qualifications and preparation and discussion of a research project, written in Italian or English, with a maximum of 25000 characters, including spaces plus tables/graphics. The project for the admission does not bind the choice of the candidate's future PhD project, once admitted to the program.

A signed copy of the project will be delivered by the applicant during the discussion.

The **project** should be structured as follows:

- 1. Author
- 2. Title
- 3. Research topic
- 4. Research objectives
- 5. Research methods.

The examination comprises an interview whose purpose is to ascertain the applicant's degree of preparation, skills and aptitude for scientific research and personal motivation. The interview also aims to verify the applicant's knowledge in the educational and academic areas specified for the PhD and includes the discussion of the research project proposed.

A reading and comprehension test of an English text will be performed for candidates who don't have appropriate certification (such as TOEFL, IELTS ect).

**Foreigner candidates residing abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the judging committee allows it. The computer of the candidate must be equipped with a web-camera in order to ensure the identification.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic oral examination will be given **concomitantly** to the oral examinations of the other candidates.

The date and venue of the oral examination will be posted on the University website

<http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca>

at least 20 days before it.



**PH.D. PROGRAM IN  
TECHNOLOGIES AND ENERGY SYSTEMS  
FOR THE MECHANICAL INDUSTRY**

**Part of the PhD School in Engineering Science**

Coordinator: Prof. Gian Paolo Beretta

Department: Department of Mechanical and Industrial Engineering (DIMI)

**Duration: 3 years**

	<b>Number of available positions</b>	<b>Number of scholarships</b>
<b>Ordinary positions</b>	<b>6</b>	<b>4</b>
<b>Extra positions for foreign citizens</b>	*	*

\* The positions will be awarded according to the procedures described in the last page of the present document.

**Funding:**

1 scholarship funded by the University of Brescia;

1 scholarship funded by The Young Researcher Fund for a research activity within the topic “Energy saving and distributed micro-generation”

1 scholarship funded by the Department DIMI

1 scholarship funded by Biokavitus S.r.l. located in Concesio (Brescia).

**Scientific Sectors:** ING-IND/08; ING-IND/09; ING-IND/10; ING-IND/11; ING-IND/14; ING-IND/16.

**Admission requirements**

M. -Sc. (or equivalent) in engineering, physics, mathematics, chemistry, economy, or an equivalent degree.

**Admission procedures:** titles and preparation and discussion of a project with the final aim to check the attitude of the candidate to carry out scientific research. Required foreign language: English.

**Titles that will be evaluated:**

- Degree (score and relevance to the research activity);
- Certifications of language proficiency
- Certifications of the previous research activity
- Presentation letter(s), which must be prepared by a University professor or by an expert in the sector and must be uploaded by the Applicant together with all the documentation.

Documents necessary to upload (project proposal, presentation letter and other) are available at the website:

<http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca>

**Foreigner candidates residing abroad** will have the option to take the oral exam by a telematic platform (Skype, for instance), if the judging committee allows it. The computer of the candidate must be equipped with a web-camera in order to ensure the identification.

When the application is submitted online, applicants must provide all the information required to activate the online connection and recognition of their identity, including a copy of an identity document. The telematic oral examination will be given **concomitantly** to the oral examinations of the other candidates.

The date and venue of the oral examination will be posted on the University website

<http://www.unibs.it/organizzazione/concorsi-bandi-e-gare/bandi-studenti-e-laureati/dottorati-di-ricerca>

at least 20 days before it.

## **DOCTORAL SCHOOL IN ENGINEERING SCIENCE**

### **PROCESS TO DETERMINE THE ASSIGNMENT OF ADDITIONAL SCHOLARSHIPS TO FOREIGN CANDIDATES**

Eight additional positions, of which four with scholarships, have been allocated to the following PhD programs, which are part of the Doctoral School in Engineering Science:

Ph.D. Program in Telecommunications Engineering;

Ph.D. Program in Computer Science, Engineering and Control Systems;

Ph.D. Program in Design and Management of Integrated Logistic and Productive Systems;

Ph.D. Program in Materials for Engineering;

Ph.D. Program in Technologies and Energy Systems for the Mechanical Industry.

The above-mentioned positions will be awarded only to candidates with non-Italian citizenship.

Those positions will be awarded to candidates admitted to any of the Ph.D. Programs, by considering only their ranking in each final admission list. The Selection Committee for these positions (either with full fellowships or not) will be composed by the Chairmen and Chairwomen of all the admission committees to the Ph.D. Programs, which are part of the Doctoral School in Engineering Science.

3 agosto 2012