

ADMISSION REQUIREMENTS

The admission requirement for students wishing to enrol in the Doctoral Programme is an adequate master degree in Civil Engineering, Architecture or equivalent qualifications.

Students from non-English speaking countries are required to have a recognized language proficiency certificate. *

RANKING OF APPLICANTS

The ranking of eligible applicants is based on the following criteria:

- > Previous higher education studies and adequacy of the studies;
- > Educational marks and relevant work experience;
- > Recommendation letters;
- > Motivation;
- > Additional information (publications, etc.).

LANGUAGE

The language of instruction and the language of examinations will be English. Courses (including course material), examinations and study counselling will be available in English.

APPLICATIONS (2014/2015)

The International Doctoral Programme in Sustainable Built Environment – iDiSBE starts in mid September.

Interested candidates should apply as soon as possible because the numerus clausus for the academic year is **only 20**. *

1st Application period: 25 August – 05 September

University of Minho, Guimarães
PORTUGAL

Research Centres:

ISISE – Institute for Sustainability and Innovation in Structural Engineering

C-TAC – Territory, Environment and Construction Research Centre

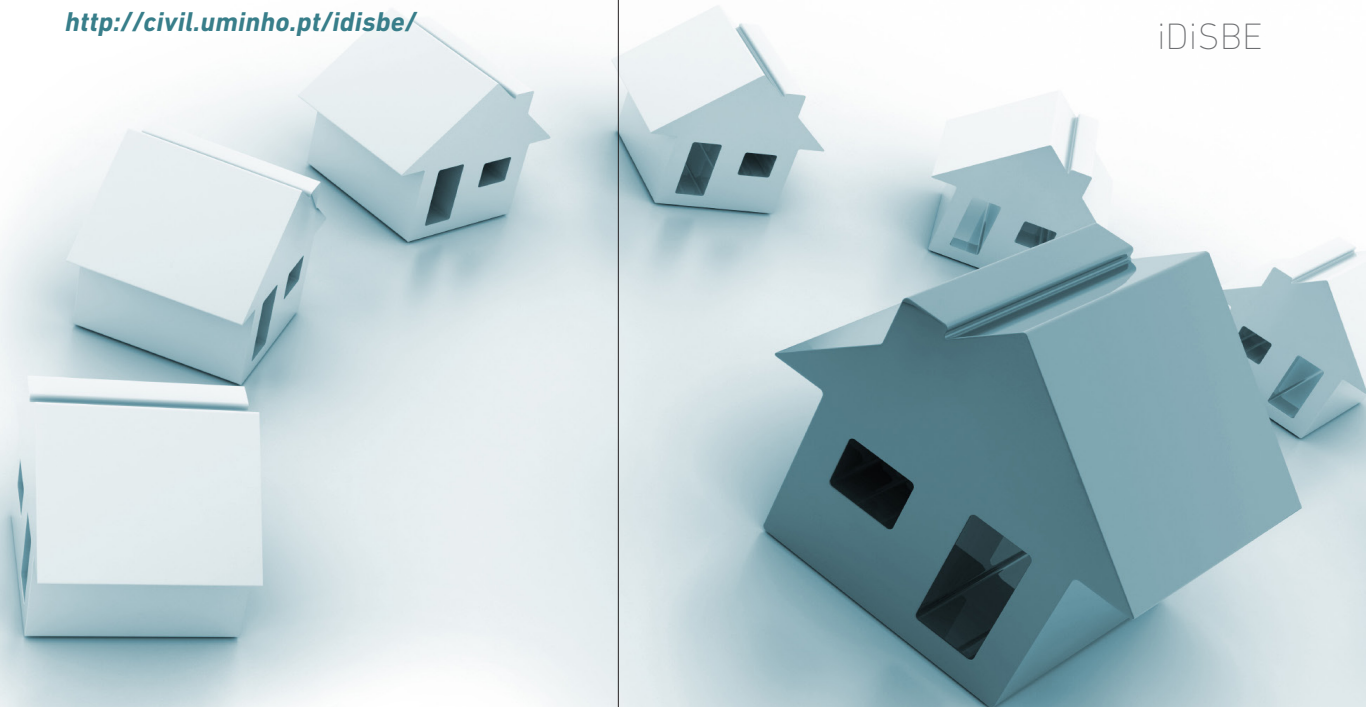
*FURTHER INFORMATION

For further information, please visit the iDiSBE webpage or contact the PhD Secretariat at:

sec-iDiSBE@civil.uminho.pt



<http://civil.uminho.pt/idisbe/>



PhD

University of Minho
School of Engineering

International Doctoral Programme *in* SUSTAINABLE BUILT ENVIRONMENT

iDiSBE

OVERVIEW

University of Minho (Portugal), together with the Czech Technical University in Prague (Czech Republic), the Polytechnic University of Madrid (Spain), the University of Malta (Malta), Aristotle University of Thessaloniki (Greece), the International Initiative for a Sustainable Built Environment (iISBE) and several other universities and other non-commercial organisations, is coordinating the International Doctoral Programme in Sustainable Built Environment, which objective is to provide advanced expert knowledge about the sustainability of the built environment to Civil Engineers, Architects and other professionals in this area, in a way that is not currently addressed at the level of the other doctoral programmes in Engineering and/or Architecture, being organized in a combination of theory, practice and experimentation in the context of project-driven training.

OBJECTIVES

The built environment has evolved to frame and facilitate nearly all human activities. Simultaneously, its constant expansion has become more and more harmful to the natural environment.

The construction sector accounts for an estimated 40% of earth resources consumption and, therefore, has a crucial role to play in achieving sustainability.

The main objective of the doctoral programme is to create an integrated approach to this subject, covering phases of design, construction materials and technologies, service life evaluation and durability, rehabilitation, building comfort and use of energy, construction economics and management, sustainable urban development and regeneration.

iDiSBE aims at providing a high level specialized advanced education in order to develop in the doctoral candidates the ability to contribute to the advancement of knowledge in the field of the sustainability of the built environment, through creative and autonomous investigation.

PROGRAMME STRUCTURE

The iDiSBE programme has a duration of three academic years, composed by a total of 180 ECTS and comprises two stages: i) the 1st stage, which includes 20 ECTS of coursework and 40 ECTS for the Thesis Project and ii) the 2nd stage, where in addition to 10 ECTS elective coursework, the student will prepare the Thesis in the field of the Sustainable Built Environment.

iDiSBE PROGRAMME ORGANIZATION

1st Year (60 ECTS)	Coursework (20 ECTS)
	Thesis Project (40 ECTS)
Thesis Project Approval	
2nd Year (60 ECTS)	Coursework (10 ECTS)
	PhD Thesis (50 ECTS)
3rd Year (60 ECTS)	PhD Thesis (60 ECTS)

The iDiSBE coursework is composed by 6 curricular units. The doctoral candidates will be able to choose from more than 40 curricular units the ones that suit better with their curricular plans. Some of the units offered are:

- Sustainable Building Overview
- Environmental Principles
- The Science of Sustainable Neighbourhoods
- Social and Economic Sustainability
- Eco-efficient Construction Materials
- Techniques for Computer Simulation of Heat and Moisture Transfer in Construction Elements
- Energy and Comfort in Buildings
- Sustainable Retrofit of Buildings
- Ecology and Sustainability of Construction
- Sustainable Building Project Management
- Management Systems for Constructions Assets
- Integrated Design Processes
- Integrated Neighbourhood Design

iDiSBE training specifically aims at providing doctorates with a wider set of competences, which match the requirements of the private and public sectors within Sustainable Built Environment. The inclusion of private companies and professional associations as associated partners of the programme will have an important impact concerning the doctorates career prospects.

The doctoral course will benefit from collective knowledge and experience available not only in the institutions directly involved in the programme but also in many other institutions and from other experts with whom the partners are linked through different European research projects, international associations and scientific committees. In addition to the involved partner universities, the students will develop part of their thesis in other foreign partner institutions and thus will be awarded with an international iDiSBE Diploma. All participating institutions can be found at the iDiSBE webpage.*

TUITION FEES

The tuition fee is 2750 Euro per year.

SCHOLARSHIPS

No scholarships are available for the coursework in the first academic year. However, from the 2nd year, a limited number of scholarships will be available. The criteria to grant these scholarships are the following:

1. Relevant publications in international and national journals of the field, developed during the 1st year;
2. Educational marks achieved during the 1st year.



PhD



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