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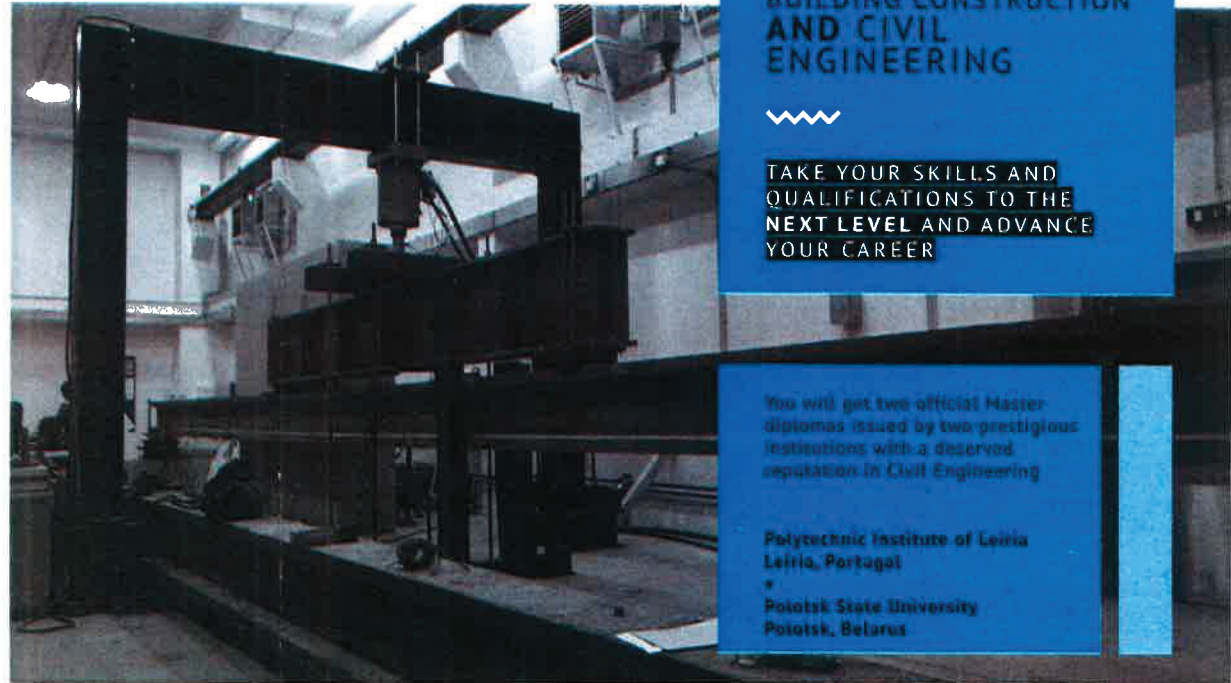
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**DOUBLE MASTER
DEGREE IN
CIVIL ENGINEERING
BUILDING CONSTRUCTION
AND CIVIL
ENGINEERING**



**TAKE YOUR SKILLS AND
QUALIFICATIONS TO THE
NEXT LEVEL AND ADVANCE
YOUR CAREER**

*You will get two official Master
diplomas issued by two prestigious
institutions with a deserved
reputation in Civil Engineering*

**Polytechnic Institute of Leiria
Leiria, Portugal**
•
**Polotsk State University
Polotsk, Belarus**

 **Reform of Education THru
INTERNATIONAL Knowledge exchange**

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Tempus Programme
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 **Reform of Education THru
INTERNATIONAL Knowledge exchange** 

WHY SHOULD I CHOOSE TO STUDY THIS DOUBLE MASTER DEGREE?

The Double Master Degree in Civil Engineering, offered jointly by the Polytechnic Institute of Leiria (IPLEiria) in Portugal and Polotsk State University (PSU) in Belarus, gives students the appropriate skills necessary to improve their opportunities to develop a professional career in the construction industry and gain an awareness of the context in which engineering operates, in terms of design, construction and the environment.

Double Degrees are the ultimate level of cooperation among higher education institutions within the global education scenario and this Master offers you training according to the highest European academic standards, together with the most international and intercultural tools needed for success and higher rates of employability on the globalised labour market. It has the advantages of being versatile, flexible and to improve opportunities in careers and networking.



WHAT WILL I GET AFTER FINISHING MY STUDIES?

You will get two official Master diplomas issued by two European prestigious institutions:

>**Master degree in Civil Engineering – Building Construction** by Polytechnic Institute of Leiria (IPLEiria), Portugal, which has been accredited by European Accreditation of Engineering Programmes EUR-ACE. The EUR-ACE® label facilitates graduate mobility as promoted by the EU Directive on Recognition of Professional Qualification;

>**Master degree in Civil Engineering** by Polotsk State University (PSU), Belarus.

This program will provide you with technical and scientific skills of a civil construction engineer, developing advanced knowledge of civil engineering and associated engineering and scientific disciplines (structure dynamics, sustainable building design, transportation, geotechnics, water supply and drainage, environmental, planning and construction). In this degree, students will develop original work in a specific field, through a project, a dissertation or an internship.

Assurance that the EUR-ACE®labelled programme meets high European and international standards and is recognised by employers in Europe.



WHAT DO I NEED TO ENROL?

The Double Master Degree in Civil Engineering is designed for students and professionals with scientific backgrounds in the field of Civil Engineering or other related technological areas.

The basic prerequisite is to hold an undergraduate Degree from a European Higher Education Area (EHEA) university or equivalent from a non-EHEA university with access to Master Degrees in their own academic systems.

Students must have an approved English qualification at level B1 or above to enrol.

MASTER DEGREE IN CIVIL ENGINEERING
BUILDING CONSTRUCTION

MASTER DEGREE IN CIVIL ENGINEERING

STUDY PROGRAMME

Students from IPEiria

| Semester | Curricular unit |
|--------------------------------|---|
| 1 (IPLEiria) 30 ECTS | Dynamic Analysis and Earthquake Engineering Construction and Maintenance of Road Pavements Urban Hydraulics Coatings and finishes Sustainable Construction |
| 2 (IPLEiria) 30 ECTS | Safety and Quality in Construction and Projects Wood and Masonry Structures Modelling and Evaluation of Structures Environmental Comfort in Buildings Mobility Planning and Management Introduction to Research in Civil Engineering |
| 3 (PSU) 18 ECTS | Elective 1 Structure and solidification of soil Reinforced constructions/prefabricated constructions Innovation Management |
| 3 and 4 (IPLEiria)* 42 ECTS | Elective Subject 2 |

*Co-supervision by PSU Professor

Elective subjects 1

One of the following subjects:

Pathology and Rehabilitation of Buildings (6 ECTS)
Mobility Planning and Management (6 ECTS)

Elective subjects 2

One of the following subjects:

Project (42 ECTS)
Dissertation (42 ECTS)
Internship (42 ECTS)

Students from PSU

| Semester | Curricular unit |
|-------------------------|--|
| 1 (PSU) 30 ECTS | Technologies and methods of designing and building objects Philosophy and Methodology of Science Foreign Language Basics of IT Educational Science and Psychology Calculations for constructions with software Modelling of the experiment Processing data for statistics |
| 2 (PSU) 30 ECTS | Constructions and methods of their calculations Philosophy and Methodology of Science Foreign Language Statistical methods of planning and processing of experimental data Energy- and resource-saving types of constructions |
| 3 (IPLEiria) 30 ECTS | Pathology and Rehabilitation of Buildings Pre-stressed Structures and Prefabrication Support Structures and Improvement of Soil Elective Subject 1 |
| 4 (PSU)* 30 ECTS | Dissertation |

*Co-supervision by IPEiria Professor

Elective subjects 1

The student should pick 12 ECTS

Dynamic Analysis and Earthquake Engineering (7 ECTS)
Sustainable Construction (5 ECTS)
Coatings and finishes (6 ECTS)
Urban Hydraulics (6 ECTS)



SEPTEMBER – JULY
4 SEMESTERS
120 ECTS