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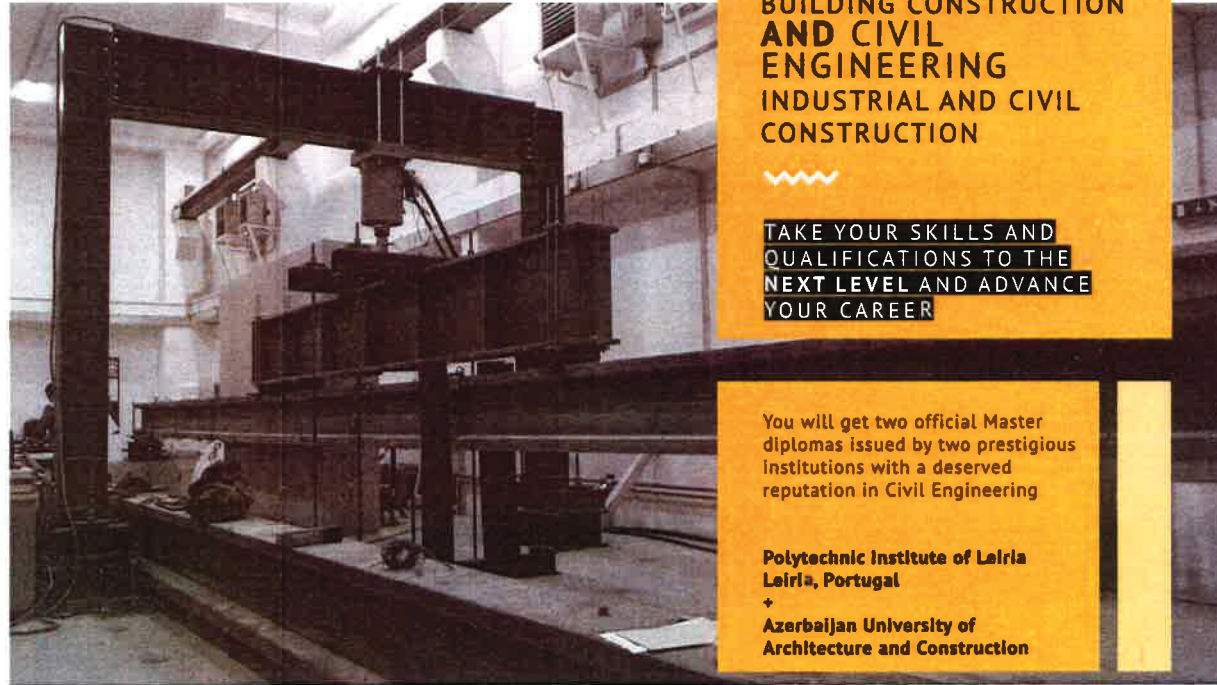
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**DOUBLE MASTER
DEGREE IN
CIVIL ENGINEERING
BUILDING CONSTRUCTION
AND CIVIL
ENGINEERING
INDUSTRIAL AND CIVIL
CONSTRUCTION**

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**
+
**Azerbaijan University of
Architecture and Construction**



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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 Azerbaijan University of Architecture and Construction (AZUAC) in Azerbaijan, 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 Engineering – Industrial and Civil Construction** University of Architecture and Construction (AZUAC), Baku, Azerbaijan.

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 INDUSTRIAL AND CIVIL CONSTRUCTION

STUDY PROGRAMME

Students from IPLEiria

Semester	Curricular unit
1 (IPLEiria) 30 ECTS	Dynamic Analysis and Earthquake Engineering
	Construction and Maintenance of Road Pavements
	Urban Hydraulics
	Coatings and finishes
2 (IPLEiria) 30 ECTS	Sustainable Construction
	Safety and Quality in Construction and Projects
	Wood and Masonry Structures
	Modelling and Evaluation of Structures
3 (AzUAC) 18 ECTS	Environmental Comfort in Buildings
	Mobility Planning and Management
	Introduction to Research in Civil Engineering
3 and 4 (IPLEiria)* 42 ECTS	Elective 1
	Elective 2

*Co-supervision by AzUAC Professor

Elective subjects 1 The students should pick a minimum of 18 ECTS

Reconstruction and technical exploitation of buildings and engineering systems (10 ECTS)
Theory and design of buildings and facilities (10 ECTS)
Modern problems of civil engineering (4 ECTS)
Stability of buildings and facilities (4 ECTS)
Inspection and earthquake tests of buildings and facilities (10 ECTS)
Foundations calculation and design (10 ECTS)

Elective subjects 2

One of the following subjects
Project (42 ECTS)
Dissertation (42 ECTS)
Internship (42 ECTS)

Students from AzUAC

Semester	Curricular unit
1 (AzUAC) 32 ECTS	Foreign language
	Modern problems of civil engineering
	Methodology and history of civil engineering
	Stability of building and facilities
2 (AzUAC) 30 ECTS	Inspection and earthquake tests of buildings and facilities
	Foundations calculation and design
	Management, organization and technology of construction
	Block 1:
3 (IPLEiria) 28 ECTS	1) Engineering reinforced concrete constructions;
	2) Spatial reinforced concrete constructions.
	Block 2:
	1) Specialized metal constructions;
4 (AzUAC) 30 ECTS	2) Multistory buildings metal construction calculations.
	Block 3:
	1) Computer programmes for construction facilities calculations;
	2) Construction facilities modern numerical calculation methods.
3 (IPLEiria) 28 ECTS	Elective1
	Scientific practice
	Pedagogical practice
4 (AzUAC) 30 ECTS	Dissertation*

*Co-supervision by IPLEiria Professor

Elective subjects 1 The students should pick a minimum of 28 ECTS

Pre-stressed Structures and Prefabrication (6 ECTS)
Support Structures and Improvement of Soil (6 ECTS)
Pathology and Rehabilitation of Buildings (6 ECTS)
Dynamic Analysis and Earthquake Engineering (7 ECTS)
Urban Hydraulics (6 ECTS)
Coatings and Finishings (6 ECTS)
Sustainable Construction (5 ECTS)

SEPTEMBER – JULY
4 SEMESTERS
120 ECTS