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

www.ipleiria.pt
www.azmiu.edu.az

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Master coordinator
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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.

**WHY SHOULD I CHOOSE TO STUDY THIS DOUBLE MASTER DEGREE?**

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**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 – 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, transportations and 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.

**STUDY PROGRAMME**

**Students from IPLeiria**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Curricular unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (IPLeiria) 30 ECTS</td>
<td>Dynamic Analysis and Earthquake Engineering Construction and Maintainance of Road Pavements Urban Hydraulics Coatings and finishes Sustainable Construction Safety and Quality in Construction and Projects Wood and Masonry Structures</td>
</tr>
<tr>
<td>2 (IPLeiria) 30 ECTS</td>
<td>Modelling and Evaluation of Structures Environmental Comfort in Buildings Mobility Planning and Management Introduction to Research in Civil Engineering</td>
</tr>
<tr>
<td>3 (AzUAC) 18 ECTS</td>
<td>Elective 1</td>
</tr>
<tr>
<td>3 and 4 (IPLeiria)* 42 ECTS</td>
<td>Elective 2</td>
</tr>
</tbody>
</table>

*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 (5 ECTS)

**Elective subjects 2**

One of the following subjects

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

**Students from AzUAC**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Curricular unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (AzUAC) 32 ECTS</td>
<td>Foreign language Modern problems of civil engineering Methodology and history of civil engineering Stability of building and facilities Inspection and earthquake tests of buildings and facilities Foundations calculation and design Management, organization and technology of construction</td>
</tr>
<tr>
<td>3 (AzUAC) 30 ECTS</td>
<td>Foreign language Modern problems of civil engineering Methodology and history of civil engineering Stability of building and facilities Inspection and earthquake tests of buildings and facilities Foundations calculation and design Management, organization and technology of construction</td>
</tr>
<tr>
<td>4 (AzUAC) 30 ECTS</td>
<td>Scientific practice Pedagogical practice Dissertation*</td>
</tr>
</tbody>
</table>

*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 Finishing (6 ECTS)
- Sustainable Construction (5 ECTS)