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## DOUBLE MASTER DEGREE IN ENVIRONMENTAL SCIENCES



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 on Environmental  
Sciences

Polytechnic Institute of Leiria  
Leiria, Portugal  
+  
Azerbaijan University of Architecture  
and Construction  
Baku, Azerbaijan

 **RETHINK** International Knowledge exchange



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

Double Master Degree in Environmental Sciences, 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 current evolving global 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 Energy and Environmental Engineering** by Polytechnic Institute of Leiria (IPLeiria), Portugal;

> **Master degree in Ecological Engineering** by Azerbaijan University of Architecture and Construction (AzUAC), Baku, Azerbaijan.

This program will provide you with technical and scientific skills to the level of renewable energy, energy efficiency and environmental technologies associated with the management of water, air, waste, noise and transport. Are still conferred on the areas of energy and environmental policies, in its dimensions ecological, social, economic and technological developments, with a view to promoting sustainable development and management.



## WHAT DO I NEED TO ENROL?

The Double Master Degree In Environmental Sciences is designed for students and professionals with different scientific backgrounds such as biology, chemistry, environmental health and several branches of Engineering.

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 enroll.

MASTER IN ENERGY AND ENVIRONMENTAL ENGINEERING  
\* MASTER IN SCIENCE IN ECOLOGICAL ENGINEERING

SEPTEMBER – JULY  
4 SEMESTERS  
120 ECTS

## STUDY PROGRAMME

### Students from AzUAC

Semester	Curricular unit
1 AzUAC 30 ECTS	Foreign languages Modern problems of Ecological science History and methodology of Ecology science Waste Prevention Waste Processing system
2 AzUAC 30 ECTS	Computer programming Resource Economy Wastewater Management Introduction to Environmental Planning Elective Chairs 1
3 IPLeiria 30 ECTS	Methods of Decision making and Optimization Thermo fluids Elective Chairs 2
4 AzUAC 30 ECTS	Scientific practice Pedagogical practice MSc Project Dissertation*

\*Co-supervision by IPLeiria Professor and Defence in AzUAC

**Elective chairs 1 (AzUAC): one of the following chairs**  
Ethics  
Aesthetics

**Elective chairs 2 (IPLeiria): two of the following chairs**  
Environmental Management Policies  
Energy Policy and Sustainable Development  
Evaluation of Environmental Parameters  
Air Quality Management

### Students from IPLeiria

Semester	Curricular unit
1 IPLeiria 27.5 ECTS	Decision and Optimization Methods Thermofluids Elective Chairs 1
2 AzUAC 38 ECTS	Modern problems of Ecological science Elective Chairs 2
3 and 4 IPLeiria 60 ECTS	Elective Chairs* 3

\*Co-supervision by AzUAC Professor and Defence in IPLeiria.

**Elective chairs 1 (IPLeiria): one of the following chairs**  
Environmental Management Policies  
Energy Policy and Sustainable Development  
Evaluation of Environmental Parameters  
Air Quality Management

**Elective chairs 2 (AzUAC): one of the following Blocks of chairs**

Block 1	Block 2
Application of the durability of the slipping slopes	Waste prevention
Planning and management of the environment	Introduction to environmental planning
Protection and usage of natural stocks	Resource economics
Recultivation of the land	Water processing system

**Elective chairs 3 (IPLeiria): one of the following chairs**  
Dissertation  
Internship  
Project