

MASTER PROGRAM  
**URBAN  
WATER  
CYCLE**  
2021/2022

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**Submission of Application**

<https://ise.ualg.pt/en/curso/1743>

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**Application Deadlines**

August 27<sup>th</sup>, 2020

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**Fees**

Application rate – 50,00 €

Registration fee and school insurance – 175,00 €

Annual value of the tuition fee – 1100,00 €

Annual value of tuition fee for international students – 2000,00 €

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**Contacts**

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[ise.ualg.pt](https://ise.ualg.pt)



## GENERAL OBJECTIVES

Enable professionals with different training base, to work in team, cross- and multidisciplinary way, answering to the new challenges in urban water cycle, in a global changes scenario;  
Qualify the students to develop expertise in the different areas of urban water infrastructure, sustainable water management (origins, quality, use and reuse) and water governance (economic, political and regulatory);  
Training students to meet different geographical realities, preparing them to participate in water management locally, nationally and internationally.

## CAREER OPPORTUNITIES

Public and private organizations working on water sector, namely research institutes, laboratories of water and wastewater analysis, consulting firms, and international organizations (UNESCO, FAO, etc.).

### 1<sup>st</sup> year / 1<sup>st</sup> SEMESTER

COURSES	ECTS	
Urban Water Hydrology	6	Mandatory
Urban Water Infrastructures	6	Mandatory
Data Requirements for Urban Water Management	6	Mandatory
Water in an Economic Perspective	6	Mandatory
Hydraulics and Engineering Hydrology	3	Elective
Urban Water Law, Economy And Regulation	3	Elective
Urban Water Networks Modelling	3	Elective
Urbanization and Environment	3	Elective
Other Ualg Course(S)	6	Elective

### 1<sup>st</sup> year / 2<sup>nd</sup> SEMESTER

COURSES	ECTS	
Risk Management and Resilience of Urban Water Infrastructures	6	Mandatory
Water Quality and Human Health	6	Mandatory
Urban Planning and Ecosystems Management	6	Mandatory
Urban Water Gis	6	Mandatory
Urban Water Policies	3	Elective
Polution and New Technologies in Wastewater Treatment	3	Elective
Remote Sensing and Data Aquisition	3	Elective
Urban Ecohydrology	3	Elective
Other Ualg Course(s)	6	Elective

### 2<sup>nd</sup> year / 3<sup>rd</sup> SEMESTER

COURSES	ECTS	
Thesis Plan	18	Mandatory
Water Reuse Technologies	6	Mandatory
Urban Water and Energy	6	Mandatory

### 2<sup>nd</sup> year / 4<sup>th</sup> SEMESTER

COURSES	ECTS	
Thesis	30	Mandatory