Why study this Master at UAM?

- The orientation of this Master is unique in the country and there are very few similar in Europe.
- It covers the European and National legislations providing training to develop professional careers at any country.
- The courses and the contents are continuously updated covering the most recent water related topics.
- The working language is English improving the communication skills and better position in job market.
- The practical courses are at proficient level providing skills for the professional world.
- Proximity between students and professors, with high interaction during the practical courses.
- UAM considers this Master as strategic and invests plenty of resources at all levels (administration, mobility, teacher, laboratories, etc.)
- Follow up of the egressed students with jobs offers, courses, fellowships and so on.
- High employability of egressed students.

Why study this Master at UAM?

More information at:
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www.uam.es/posgrado

OVERVIEW

Degree: Master’s Degree1 in Inland Water Quality Assessment
Academic discipline: Sciences
Number of ECTS credits: 60
Public fees: The minimum set by the Community of Madrid2
Character: Research and management oriented
Modality: Classroom teaching
Language of instruction: English
Place: Faculty of Sciences
Web of the Master: www.uam.es/mucalidadaguas
Contact: informacion.master.aguascontinentales@uam.es

Number of ECTS by type of subject:

<table>
<thead>
<tr>
<th>Type of subject</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compulsory</td>
<td>26</td>
</tr>
<tr>
<td>Optional</td>
<td>12</td>
</tr>
<tr>
<td>Master Thesis</td>
<td>22</td>
</tr>
<tr>
<td>Total</td>
<td>60</td>
</tr>
</tbody>
</table>

1 According to Spanish regulation this Master qualifies Level 7 in the European Qualifications Framework (EQF), which gives access to PhD studies.

2 As a guideline, the price per ECTS for the 2016-17 academic course was 52.65€ for EU member students, and 84.07€ for non-EU and non-resident students.
This official Master is aimed at training students on water quality assessment under the European Water Quality Framework Directive in order to allow them to develop their professional careers on research and/or management of Water Quality issues from a pan-European perspective.

The program of the Master consists of 60 ECTS (one academic year).

In the first semester students follow 6 mandatory courses. They are worth 26 ECTS.

In the second semester students follow 3 elective courses out of 4 options. Each course is worth 4 ECTS. In addition, they work on a MASTER PROJECT (22 ECTS), at any institution in Europe, leading to a diploma at UAM. Master projects will be offered all around Europe. They will cover for sure everyone’s interest while opening new opportunities for a professional career as well in any of the three itineraries: Research, Consultancy and Management.

The Master is taught in English.

COURSES:
- European Aquatic Ecology
- Water Pollution and Environmental Effects
- Biological Monitoring
- Chemical Monitoring
- Aquatic Bioindicators
- Integrated Monitoring and Field studies
- Ecological Risk Assessment
- Aquatic Ecotoxicology
- Environmental Economy
- Environmental Law
- Biostatistics
- Master Project

ADMISSION PROFILE

Requirements are:
- A Bachelor degree with a major in biological science, environmental science or environmental engineering (3 years or 180 ECTS).
- Students are required to be able to communicate in English.
- A familiarity with laboratory work.

GRADUATES AND EMPLOYABILITY

Students graduated from the last ten editions of the IWQA master have been very successful in finding a job. Ninety-five percent of egressed students found their first job in water related topics, and over 75% of the students are still working on water. In most cases, their jobs are related with their master projects, that are carried out at any institution in Europe. Most egressed students are working on research (65 %), while about 27 % on Consultancy companies.

CONTEXT OF THESE STUDIES AT UAM

Doctorate
- Biology
- Microbiology
- Ecology

Master
- MSc in Inland Water Quality Assessment

Bachelor Degree
- Biology
- Biogeochemical Sciences
- Chemistry
- Ecotoxicology

Research Internships

Traditionally, an extensive list of institutions has collaborated with the IWQA Master in the Master Project development. Among them there are prestigious universities, Management institutions and companies both Spanish and European. Some examples are:
- Helsinki University
- Amsterdam University
- Koln University
- Telemark University
- CEDEX
- CEAB-CSIC
- Ministry of Environment (MAPAMA)
- ECOHYDROS
- CIMERA
- LABAQUA

Featured Activities

Some of the most remarkable activities in the IWQA Master are:

1. Integrated Monitoring and Field Studies course (6 ECTS): It is a practical course including hands on experience about four mandatory courses. Students will develop a monitoring study at different aquatic systems in the field for one week and 3 weeks in the lab.

2. Master Project (22 ECTS): It is a detailed study based on an original research submitted to obtain the Master Degree. It can be carried out at any of the collaborating institutions in Spain and Europe: Universities, Research Centres, Administrations and Consultancy Companies.

Requirements are:
- A Bachelor degree with a major in biological science, environmental science or environmental engineering (3 years or 180 ECTS).
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