



UNIVERSIDAD
COMPLUTENSE
MADRID

FACULTY
OF BIOLOGY

MASTER'S DEGREE IN

**ECOSYSTEM
RESTORATION**

FACULTAD DE CIENCIAS
BIOLÓGICAS

Master's Degree in Ecosystem Restoration

Branch of Knowledge

Sciences

Centre Responsible

Faculty of Biology. UCM

Joint

Alcalá de Henares University (UAH);
Coordinator - Technical University
of Madrid (UPM) - Rey Juan Carlos
University (URJC)

Orientation: professional-scientific

Credits: 60 ECTS

Duration: 1 academic year
(2 semesters)

Mode: classroom learning

[www.ucm.es/estudios/
master-restauraciondeecosistemas](http://www.ucm.es/estudios/master-restauraciondeecosistemas)
www3.uah.es/master_rest_eco

Objectives

The general objective of this Degree is to provide students with comprehensive training in the field of ecosystem restoration. They will acquire sound knowledge of the foundations of this discipline, as well as of the existing techniques and their application to case studies. This will help achieve two specific objectives: (1) to be able to prepare and evaluate restoration projects; and (2) to be able to propose and undertake research on ecological restoration to advance scientific knowledge.

Target

The Master's Degree on Ecosystem Restoration is aimed at three and

four-year degree graduates, as well as professionals in businesses, administrations and the Third Sector interested in scientific and technical training in ecosystem restoration.

Why study this Master's?

- Pioneering Master's of the European Higher Education Area.
- The only Master's Degree in the world currently devoted, exclusively, to ecological restoration.
- Delivered by four prestigious public universities of the Community of Madrid, since 2006.
- Recognised as one of the best Spanish master's degrees in this speciality for four years in a row since academic year 2010-2011.
- High level multidisciplinary teachers.
- Comprising a network of knowledge and experience with sound scientific and technological bases that connects students with many teachers, researchers and public and private organisations.
- The source of many entrepreneurial projects.
- High demand.
- High professional employment rates (average > 75%).
- Students from 22 countries around the world.

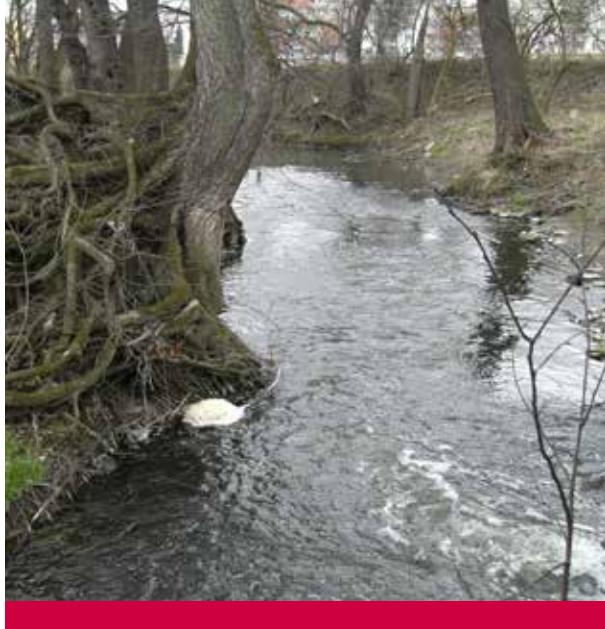
Structure

The Master's consists of 60 ECTS, 30 of them belonging to compulsory subjects and 24 to electives (Internships may be 9 or 18 elective ECTS) and Final Project.

Two pathways are offered simultaneously: professional or research, the latter aimed at pursuing a Doctoral Thesis.

Syllabus

TYPE OF SUBJECT	ECTS
Compulsory	30
Elective (including Internship)	24
Final Project	6
Total	60



Compulsory Subjects	ECTS	Semester
Conservation Biology	4	1°
Environmental Degradation and Ecosystem Restoration	5	1°
Geomorphological Processes and Restoration of the Physical Environment	5	1°
Ecological Processes and References for Ecosystem Restoration	4	1°
Revegetation	6	2°
Elective Subjects	ECTS	Semester
Management of Spatial Information for Ecosystem Restoration	4	1°
Introduction to Final Project	6	1°
External Internship I	9	1°
Soil Erosion and Restoration	4	1°
Landscape Restoration	4	1°
Improving Fauna Habitats	4	2°
External Internship II	9	2°
Restoration of Agrosystems	4	2°
Restoration of Areas Affected by Mining Activities	4	2°
Restoration of Areas Affected by Civil Works	4	2°
Restoration of Marine and Coastal Environments	3	2°
Restoration of Rivers and Banks	4	2°
Restoration of Contaminated Soils	4	2°
Population Genetic Restoration	3	2°
Forestry and Forest Restoration	4	2°
Restoration of Arid Lands (not offered in academic year 2017-2018)	4	-

Final Project	ECTS	Semester
Final Project	6	2°



www.ucm.es • www.uah.es • www.upm.es • www.urjc.es



Campus de Excelencia Internacional

Faculty of Biology

Campus Moncloa
<http://biologicas.ucm.es>

March 2019. Contents of this brochure is subject to changes
For further information: www.ucm.es/estudios/master-restauraciondeecosistemas
www3.uah.es/master_rest_eco