

PROGRAMME INFORMATION



UNIVERSITY MASTER'S DEGREE IN RESEARCH IN ARTIFICIAL INTELLIGENCE

CÓDIGO 310801

UNED

ETS de
Ingeniería
Informática

**UNIVERSITY MASTER'S DEGREE
IN RESEARCH IN ARTIFICIAL INTELLIGENCE**

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University Master's Degree in Artificial Intelligence Research

INFORMATION IDENTIFYING THE QUALIFICATION

Name and status of awarding institution

Universidad Nacional de Educación a Distancia.

Public university.

Name of qualification and title conferred in original language

Máster Universitario en Investigación en Inteligencia Artificial por la Universidad Nacional de Educación a Distancia.

Status

National validity.

Approved by Accord of the Council of Ministers on July 1st, 2011.

Main field(s) of study for the qualification

The study is included in the field of Engineering and Architecture.

Language(s) of instruction/examination

The degree is taught in Spanish.

INFORMATION ON THE LEVEL OF THE QUALIFICATION

Level of qualification

Level 3 (Master) in the Spanish Framework of Higher Education (MECES) is equivalent to level 7 of European Qualification Framework (EQF).

Official length of programme

The official length of programme is 60 ECTS and 1 year full time.

Access requirements

Bachelor's Degree or Engineering Degree.

INFORMATION ON THE CONTENTS

Mode of study

Distance learning full time.

Programme requirements

The programme of studies is composed of 30 elective ECTS, a compulsory subject on Research methodology of 3 ECTS and the Master's Project in Research in Artificial Intelligence of 27 ECTS.

Subjects

- Methodology of research on Intelligent Systems
- Artificial Intelligence applications for human and sustainable development
- Evolutionary Computation
- Text Information Discovery
- Learning environments and modeling based on standards
- Adaptive Interfaces
- Machine Learning methods
- Bioinspired Neural Methods
- Probabilistic Methods
- Symbolic methods
- Data Mining
- Natural Language Processing
- Perceptual and Autonomous Robotics
- Artificial Vision
- Adaptive Educational Systems
- Semantic Web and Linked data
- Master's Project in Research in Artificial Intelligence

Grading scheme

In the Spanish university system, modules/courses are graded on a scale of 0 to 10 points with the following qualitative equivalence:

0-4.9: "suspense"; 5-6.9: "aprobado"; 7-8.9: "notable"; 9-10: "sobresaliente". A special mention, "Matrícula de Honor" may be granted to up to 5% of the students in a subject provided they have got a "sobresaliente". To pass each subject it is necessary to get at least 5 points.

INFORMATION ON THE FUNCTION OF THE QUALIFICATION

Access to further study

This qualification gives access to Doctoral studies, provided that the student has completed a minimum of 300 ECTS in the overall teachings of Bachelor and Master.

Stated objectives associated with the qualification and professional status (if applicable)

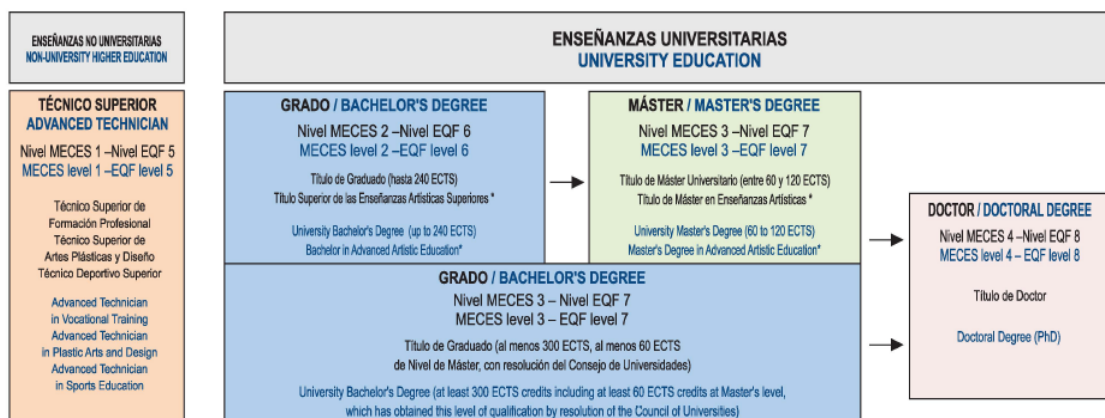
The master's objective is to link the basic knowledge acquired during the grade studies with the present-day frontiers of research in the field of AI (Artificial Intelligence). The master covers in a modular way the various sub-areas of AI: Symbolic and bio-inspired methods, probabilistic reasoning, connectionism, hybrid methodologies, machine learning, artificial vision and robotics.

The main learning outcomes and competencies acquired are: 1) learning the foundations of AI, 2) learning the set of methods and techniques that are commonly used to solve AI tasks, 3) applying solutions to relevant AI application domains.

ADDITIONAL INFORMATION

<https://www.uned.es>

INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM



* Las enseñanzas Artísticas Superiores son Enseñanzas no Universitarias dentro del Sistema Educativo español de Enseñanza Superior
 *Advanced Artistic Education is non-university education within the Spanish Higher Education System