

# PROGRAMME INFORMATION



## UNIVERSITY MASTER'S DEGREE IN LANGUAGE TECHNOLOGIES

CÓDIGO 310701

UNED

ETS de  
Ingeniería  
Informática

**UNIVERSITY MASTER'S DEGREE  
IN LANGUAGE TECHNOLOGIES**

**CÓDIGO 310701**

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## University Master's Degree in Language Technologies

### INFORMATION IDENTIFYING THE QUALIFICATION

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#### 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 Tecnologías del Lenguaje por la Universidad Nacional de Educación a Distancia.

#### Status

National validity.

Approved by Accord of the Council of Ministers on January 22nd, 2010.

#### 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 and English.

### INFORMATION ON THE LEVEL OF THE QUALIFICATION

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#### 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

Engineering or Bachelor's Degree in Computer, Telecommunications, Physics, Mathematics or related. Exceptionally, Bachelor's Degree, Engineering and Diploma no related.

### INFORMATION ON THE CONTENTS

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#### Mode of study

e-learning full time.

### Programme requirements

The programme of studies is composed 42 elective ECTS and 18 Master's Dissertation ECTS.

### Subjects

- Intelligent Information Access
- Web Mining
- Probabilistic Methods
- Natural Language Processing
- Semantics and Pragmatics in the Web
- Social Media Mining
- Web Search Engines
- Textual Information Discovery
- Data Mining
- Graph-based techniques applied to natural language processing
- Neural Networks for Natural Language Processing
- Text representation in vector and probabilistic spaces
- Master Dissertation: Natural Language Processing and Information Retrieval

### 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: "suspenseo"; 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 group provided they have got a "sobresaliente". To pass a module/course it is necessary to get at least 5 points.

In cases of recognition of ECTS, professional experience, cultural or sports activities, or student representation no grading will be recorded but, where appropriate, the word "Apto".

## INFORMATION ON THE FUNCTION OF THE QUALIFICATION

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### Access to further study

This qualification gives access to Doctoral studies, provided that the student had 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)

Students must:

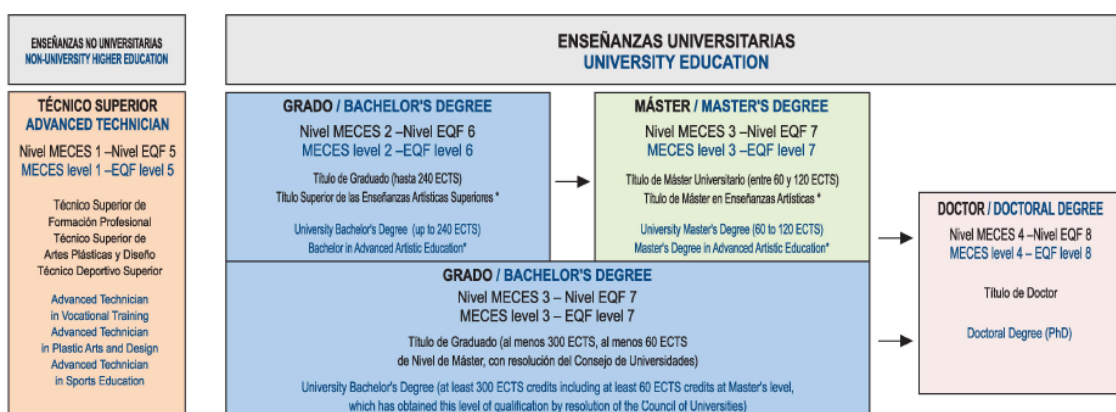
1. Know the methodology of research: propose research questions, generate hypothesis, techniques and tools used to develop new methods, and raise an experimentation that can be evaluated to validate the hypothesis.
2. Contextualize the work in relation to other existing work, collecting and properly referencing the references used. Know in detail the state of the art in some of the areas of specialization of the Master.
3. Abstract the process followed and the results obtained in experiments to propose new models and methods, as well as future lines of work.

While this master is research oriented (as opposed to other professional type), it provides interest for professional practice in innovative sectors. Most of the techniques discussed in it have been proved to be useful for solving problems of commercial interest. An increasing number of IT services companies are seeking specialists in these areas.

## 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