

PROGRAMME INFORMATION



UNIVERSITY MASTER'S DEGREE IN ENGINEERING OF EDUCATIONAL TECHNOLOGIES

CÓDIGO 311201

UNED

ETS de
Ingeniería
Informática

**UNIVERSITY MASTER'S DEGREE
IN ENGINEERING OF EDUCATIONAL
TECHNOLOGIES**

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University Master's Degree in Engineering of Educational Technologies

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 Ingeniería de las Tecnologías Educativas por la Universidad Nacional de Educación a Distancia.

Status

National validity.

Approved by Accord of the Council of Ministers on October 28th, 2022.

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 master 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

University Degree in Architecture or Engineering

INFORMATION ON THE CONTENTS

Mode of study

Distance learning full time

Programme requirements

The programme of studies is composed of 42 compulsory ECTS, 6 elective ECTS and 12 Master's Dissertation ECTS.

Subjects

- Multimedia contents for education
- Standards and design of educational objects
- Digital services and infrastructures for education
- Educational data mining and student modelling
- Technological support for teaching and learning processes
- OER Development and Publishing Tools
- Integration of online laboratories and components
- Serious games for learning
- Educational robotics
- Accessibility in elearning
- Master Thesis

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 group provided they have got a "sobresaliente". To pass a module/course 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 University and Master's Degree.

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

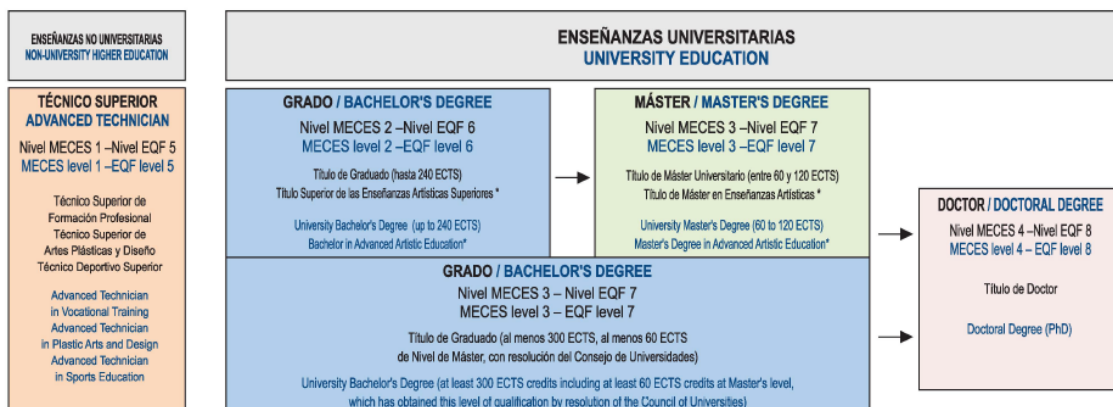
The main objective of the Master is to carry out the training of students in the field of educational technologies for professionalizing purposes. For this, the following specific objectives are proposed among others. Understand the various educational technologies, ranging from technologies for the deployment of real or virtual laboratories, the interconnection and integration of educational components through standards, the creation of educational objects, serious games and multimedia resources, student modeling, the use of robots for educational purposes, applying usability directives.

The masters' competences are: be able to recommend implementations of educational systems that combine the different available technologies integrated through standards; be able to design, program and use both physical and virtual experimental teaching resources using the different existing technologies; be able to share and integrate multiple experimental teaching resources, both physical and virtual, using standards.

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