

# PROGRAMME INFORMATION



## UNIVERSITY MASTER'S DEGREE IN DESIGN ENGINEERING

CÓDIGO 280201

UNED

ETS de  
Ingenieros  
Industriales

**UNIVERSITY MASTER'S DEGREE  
IN DESIGN ENGINEERING**

**CÓDIGO 280201**

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## University Master's Degree in Design Engineering

### 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 Ingeniería del Diseño 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 master is taught in Spanish.

### 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

University Degree in Architecture or Engineering

### INFORMATION ON THE CONTENTS

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#### Mode of study

Distance learning full time.

### Programme requirements

The programme of studies is composed of 30 compulsory ECTS, 20 elective ECTS and 10 Master's Dissertation ECTS.

### Subjects

- Image in Design Engineering
- Digital Mock-Up and Simulation
- Innovation in Design
- Concurrent Engineering
- Optimization in Design Engineering
- Geometric and Functional Models. Programming
- Advanced Tools in Design
- Master's Final Project in Design Engineering

### 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: "suspenso"; 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)

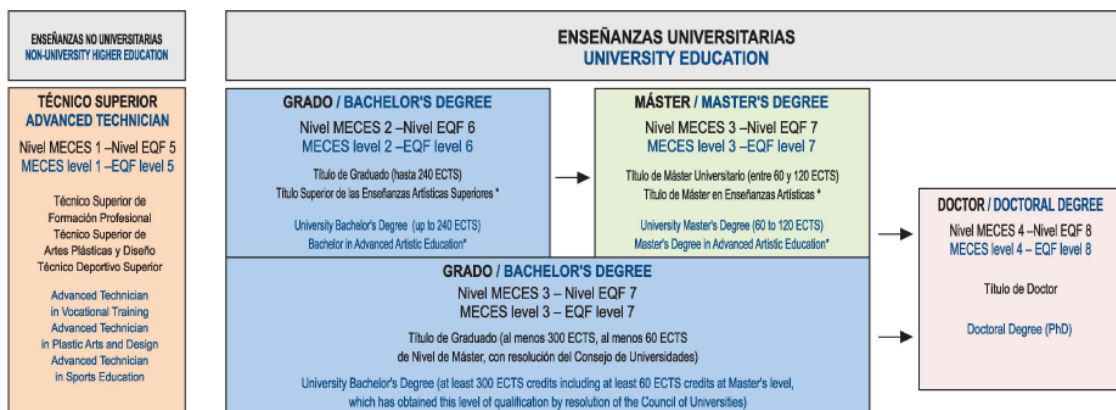
The main aim of this degree is training professionals with good knowledge and preparation of high level in the field of methodologies, technologies, tools, and systems design in the area of the University postgraduate degree in engineering and architecture; and trained to develop its work in the areas of innovation, in environments of the liberal practice of the profession, teaching at the University, or research and development both in private and public organizations.

The main learning outcomes and competencies acquired are the knowledge of different techniques, tools and applications of design and design management; ability to prepare strategies and to carry out assessments and validations of the design; capacity to carry out projects of launch and marketing of products and services as well as development of projects with concurrence of technologies.

## 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