

PROGRAMME INFORMATION



UNIVERSITY MASTER'S DEGREE IN INFORMATION AND COMMUNICATION ELECTRONIC SYSTEMS

CÓDIGO 280501



**UNIVERSITY MASTER'S DEGREE
IN INFORMATION AND COMMUNICATION
ELECTRONIC SYSTEMS**

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University Master's Degree in Information and Communication Electronic Systems

INFORMATION IDENTIFYING THE QUALIFICATION

Name and status of awarding institution

Universidad Nacional de Educación a Distancia and Plovdivski Universitet Paisii Hilendarski (Bulgaria).

Public universities.

Name of qualification and title conferred in original language

Máster Universitario en Sistemas Electrónicos de información y Comunicación / Information and Communication Electronic Systems por la Universidad Nacional de Educación a Distancia y Plovdivski Universitet Paisii Hilendarski (Bulgaria).

Status

International joint degree with Bulgaria.

Approved by Accord of the Council of Ministers on January 17th, 2014.

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 English.

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

Engineering or Bachelor's Degree in Electronics, Electrical or Industrial Engineering, Applied Physics, Engineering Physics, Telecommunications, Computer Science or Computer Engineering.

INFORMATION ON THE CONTENTS

Mode of study

Distance learning full time

Programme requirements

The programme of studies is composed of 40 compulsory ECTS, 10 elective ECTS and 10 Master's Dissertation ECTS.

Subjects

- Introduction to Information and Telecommunication Systems
- Industrial and Real-time Communications
- Internet Technologies for Information and Telecommunication Systems
- Electronics for Information and Communication Technologies
- Information and Communication Technologies Research and Engineering competence skills
- Microprocessor Techniques
- Multimedia for Information and Communication Systems
- Power Supplies for Information and Communication Technologies Equipments
- Microelectronics
- Satellite and Mobile Communications
- Computer Modeling and Simulation of Electronic Circuits
- Wireless Communications
- Final Master Thesis Information and Communication Electronic Systems

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.

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

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 main aim of this degree is know the characteristics of information and communication electronic systems, understand the various technologies that integrate today's communication systems, comprehend the details of the architecture of a communication network, understand real-time systems and know how to apply them within industrial communications, know various advanced microprocessor-based architectures, be able to apply the processes involved in wireless communications.

The Master has an academic orientation, while it tries to develop the abilities of its students to both professional and research practice in the field of Engineering in Information and Communication Electronic Systems. In addition to train qualified professionals to develop their professional career in technology companies, allows graduates to undertake a Doctoral Thesis, as well as develop or direct R&D&I activities.

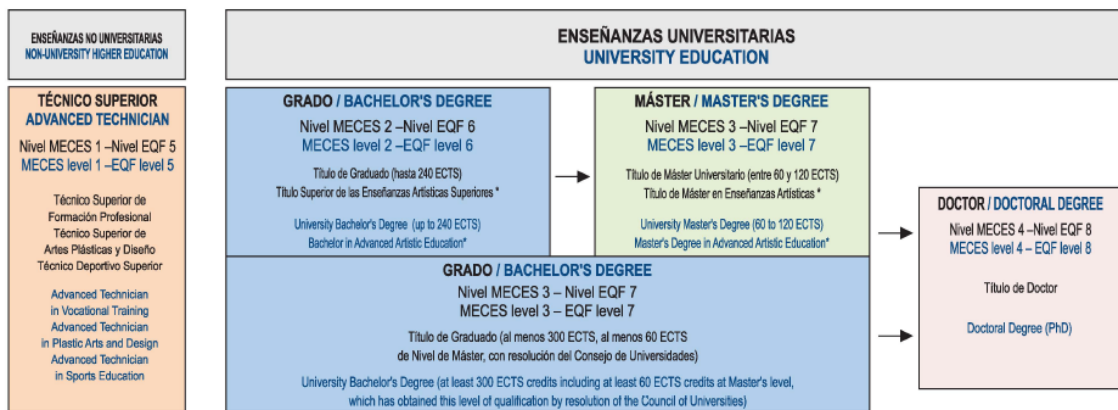
ADDITIONAL INFORMATION

The student accredits English level B2 of CEFR (Common European Framework of Reference for Languages)

Plovdivski Universitet "Paisii Hilendarski" (Bulgaria): <https://uni-plovdiv.bg/en/>

Universidad Nacional de Educación a Distancia: 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