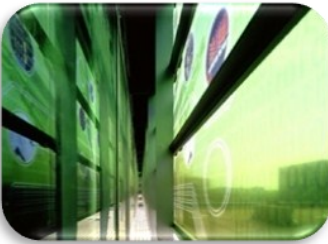
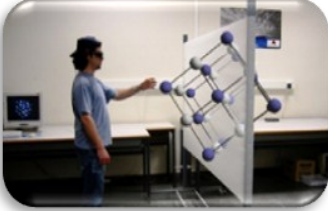




## MASTER OF SCIENCE

# MSc Master's Degree in Telecommunications Technologies Systems and Networks



### INTRODUCTION

The progress of telecommunications in recent decades has been one of the key drivers in the evolution of society in all areas. Personal relationships, information search, economic or cultural exchanges are no longer thought of without this development.

Several studies in the European Union confirm the **strategic importance of the sector of Information Technology and Communications** as well as the need to train **highly qualified professionals** in these areas.

Here you have the opportunity to gain skills with this Degree Program which **integrates knowledge of Telecom Systems, Networks and Technologies**.

### CONTACT US

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### ORGANIZED BY

UPV Communications Department



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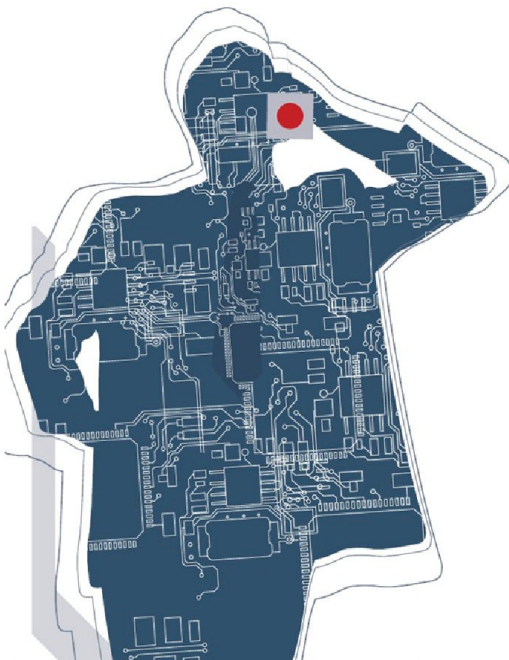
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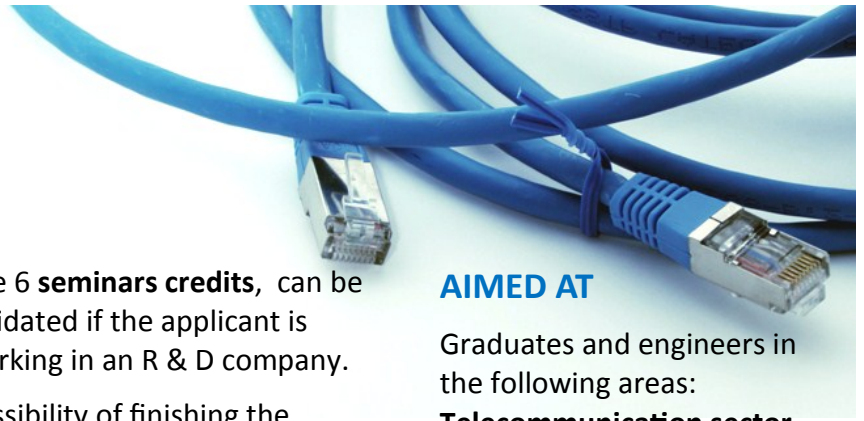


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## OBJECTIVES

The main goal is **to train highly qualified researchers** in knowledge related to **signal theory, communications** and **telematic engineering**.

In particular, more efforts will be taken in **digital signal processing communications** and multimedia contents, **RF and aerospace engineering**, design and evaluation of performance in **mobile and fixed communications networks**, and engineering **data transmission** over optical networks, mobile phones or microwave links.

In addition to this, **the latest trends in advanced network technologies** will be studied . Technologies that enable the development of multiservice networks and real-time applications using requirements, systems integration, and generally, in the application of those technologies, for the development of the information society.

## DEGREE REQUIREMENTS

A total of **60 credits (600 hours)** in **one year** is required to obtain the MSc in Telecommunications.

For the **first quarter/term**:

- 30 ECTS of elective courses

For the **second quarter/term**:

- 6 Seminar ECTS
- 24 Thesis ECTS

The **6 seminars credits**, can be validated if the applicant is working in an R & D company.

Possibility of finishing the **Master's Thesis** in European universities with mobility agreements (Siena , Le Clocle, Darmstadt ... ) and technological companies aimed at technology transfer, such as VLC Photonics, AURORASAT among others.

## ACADEMIC OFFER

The Courses and Seminars offered cover the following areas:

- Mobile and Wireless Communication Systems
- Network architecture and protocols for mobile communications
- Image and Video Processing Techniques
- Digital Communication Systems
- Satellite Communication Systems
- Optical Wireless Systems
- Optical Signal Processing
- Nanophotonics
- Distributed Real Time Systems
- Content Distribution Mechanisms over IP Networks
- Traffic Management and Quality of Service
- Telecommunications Economics and Regulation

## AIMED AT

Graduates and engineers in the following areas:  
**Telecommunication sector, computing, electrical engineering, physical or industrial sciences specialising in electronics and photonics.**

**Professionals** who carry out their activities **in the area of Information Technology and Communications.**

## ADMISSION CRITERIA

- Afore mentioned Bachelor Degrees.
- CV and Academic history of Applicants to the programme.
- Profile Adaptation.

## TUITION & FEES

**Master Tuition:** 2.772 € (46,20€/credit)

**Other Fees:** Application, Activities: range 250—450 €  
**Payment facilities.**

