

# **Máster Universitario en Ingeniería de Telecomunicación / Telecommunication Engineering Master\_0**

## **TELECOMMUNICATION ENGINEERING MASTER**

### **UNIVERSIDAD DE JAÉN**

**DURATION: 3 semesters (full-time)**

**Start: annually - fall semester in September.**

#### **ADMISSION REQUIREMENTS**

- Academic degree (Bachelor's degree) in Telecommunication Engineering, Information & Communications Engineering, Electronic & Electrical Engineering or related subjects.
- Proficient knowledge of English language (e.g. TOEFL 200 CB, 75 iBT, IELTS 5.5; Cambridge FCE).
- Basic Spanish language skills (Level A1). You may apply before having passed your Level A1 certificate.

#### **TEACHING PROCESS**

Teaching comprises lecture modules, tutorials, and laboratory work. Throughout the first two semesters courses are fully supported by computing and laboratory work. Assessment is based on a mix of formal examinations, course work, various technical assignments and oral presentations. The assessment of the Master Thesis includes an oral examination.

#### **COURSE STRUCTURE & SYLLABUS**

The course begins annually in September and lasts for 3 semesters. It consists of a taught stage (worth 60 ECTS credits) and of a project (Final thesis) stage (worth 30 ECTS credits). First semester subjects are taught in English.

The competences to be acquired by students are integrated in three modules:

- Telecommunication technologies module; 50 ECTS credits.
- Project management module; 10 ECTS credits.
- Master thesis module; 30 ECTS credits.

#### **Telecommunication technologies module**

##### **50 ECTS credits**

##### **Credits Semester Language**

Circuits for Electronic Instrumentation	6	1	English
Complex Digital Systems Design	6	1	English
Network and Service Technologies	6	1	English
Multimedia Advanced Services	6	2	Spanish with support in English
IP Based Networks	6	2	Spanish with support in English
Radiocommunications and Radiodetermination	6	1	English

Signal Processing for Communications	4	2	Spanish with support in English
Communications Systems and Circuits	6	1	English
Optical Technologies	4	2	Spanish with support in English

Telecommunication technologies module: During the first semester and part of the second semester, the students extend and deepen their knowledge in fundamental areas of Networking and Electronics as well as in Signal Processing and Communications.

### **Project management module**

**10 ECTS credits** **Credits Semester Language**

Integration Project	4	2	Spanish with support in English
Project Management	6	2	Spanish with support in English

Project management module: These two subjects during the second semester are intended to familiarize students with management techniques commonly used to plan, organize and control projects.

Master Thesis (30 ECTS credits): The third semester is entirely dedicated to a major individual research project which leads to a master thesis. Projects with an industrial involvement and relevance are encouraged. The Thesis may be undertaken in the University's laboratories or in collaboration with industrial partners or other institutions.

### **DUAL DEGREE**

An international agreement is established with the ICE Master of the THM (<http://www.thm.de/iem/ice/>). Both TE-UJA Master and ICE-THM Master comprise 90 ECTS credits. Some competences of the TE-UJA Master are equivalents to some of the ICE-THM master but not others. The dual degree proposal for UJA students includes: 60 ECTS credits in UJA + 30 ECTS credits in THM + 30 ECTS for master thesis. More information can be found the link below.

## **Documentos relacionados**

- [List of Subjects](#)
- [Dual Degree](#)