

## Course Content

**Website of the Master of Science (M.Sc.) Telecommunication Engineering (TE)**

**Universidad de Jaén - Linares School of Engineering**

### **COURSE STRUCTURE & SYLLABUS**

The course begins annually in October 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:

1. Telecommunication technologies module; 50 ECTS credits.
2. Project management module; 10 ECTS credits.
3. 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	English
IP Based Networks	6	2	English
Radiocommunications and Radiodetermination	6	1	English
Signal Processing for Communications	4	2	English
Communications Systems and Circuits	6	1	English
Optical Technologies	4	2	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.

Telecommunication infrastructures and project module

10 ECTS credits

**Credits Semester Language**

Advanced technologies integration	4	2	English
Telecommunication infrastructures and projects	6	2	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.

## LIST OF SUBJECTS

Please download the list of subjects ([List of subjects.pdf](#)) with a short description of all the subject of the TE Master.

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