ETSIT-UPM in a Nutshell

*Prestige & Recognition*

*Employability*

*Resources*

*Research*

*Industrial Partnership*

*Entrepreneurship*

*Internationalization*
The ETSIT-UPM in figures

More than 16,000 alumni

- 2,500 enrolled students
- 250 faculty members
- Library with more than 500 working places, cyber library and meeting rooms
- More than 600 laboratory places
- 2 sports fields
- Over than 50 lecture halls with multimedia equipment
Accreditation and International Recognition

The diploma of Telecommunication Engineering offered by the Universidad Politécnica de Madrid (P-94) has been accredited by the Accreditation Board for Engineering and Technology (ABET), and has full recognition at Masters' level.

Corresponding levels in higher Education Systems

EUROPE

- PhD: 3-4 years
- Masters’ Degree: 2 years
- Bachelor’s Degree: 3 years
- EUROPE

USA

- PhD Research: 3-4 years
- M.S.-M. Eng
- Graduate Studies: 2 years
- B.S
- Undergraduate Studies: 4 years
- USA

ETSIT-UPM

- PhD: 3-4 years
- Masters’ Degree: 1-2 years
- Bachelor’s Degree: 4 years
- ETSIT-UPM
ETSIT-UPM
Our offer of Degree Courses

ETSIT-UPM is a veteran among Engineering Schools in Spain in the teaching of telecommunications engineering. Founded more than 100 years ago, it is located on the Moncloa Campus of International Excellence in the Ciudad Universitaria in Madrid.

Bachelor Degrees

Engineering in Telecommunication Technologies and Services

Areas
- Audiovisual
- Telematics
- Electronic Systems
- Telecommunication Systems

Biomedical Engineering

Areas
- Bioengineering
- Telemedicine
- Biomedical imaging
- Biomedical Computing
Master Degrees
Telecommunication Engineering    Biomedical Engineering

Other Masters Degrees

- Solar Energy
- Electronic Systems
- Signal Processing and Communications
- Computational Statistics
- Telematics

PhD Programs

6 PhD Programs (Mention of Excellence)
International Academic Partners

ETSIT-UPM participates in the majority of international mobility programs; it has approximately 100 Erasmus agreements as well as 13 agreements in the framework of the Magalhães Program. Also, as regards Bilateral Agreements, there are approximately 100 framework agreements signed with universities in the USA, Canada, Asia, Australia and Latin America.
Double Degree Agreements

ETSIT-UPM has double degree agreements with prestigious Schools in Europe and America.

Zhan
1st Year
“The process of adapting has not been easy but ... I have done it!”
Internships

Not compulsory in ETSIT Bachelor and Master degrees

16/17

348 Internships:

117 Curricular (lead to ECTS recognition)
231 Extra-curricular (no ECTS recognition)

~40% of the eligible students carry out an internship
Research Development Innovation at ETSIT-UPM

www.etsit.upm.es/research
Broadly speaking, we aim at:

- contributing actively to technological knowledge generation & transfer through research and innovation…

- … within a school that educates professionals in the areas of Telecommunication Engineering and Biomedical Engineering with a sound knowledge of ICTs.
Research Units

- 4 Research Centers/Institutes & 6 Departments
- 35 Accredited Research Groups
- 15 Chairs from Industry Partners
Overview

Institutes/Centers + Departments + Groups + Chairs

+400 national/internat. RDI projects (public & private funding)

Broadly, 20-25% of UPM RDI funds come from ETSIT-UPM
Research Institutes and Centers

• 4 Research Centers or Institutes located at ETSIT:
  – Solar Energy Institute, IES
  – Institute of Optoelectronic Systems and Microtechnology, ISOM
  – Center for Advanced Materials and Devices in ICTs, CEMDATIC
  – Information Processing and Telecommunications Center, IPTC (new, potentially the biggest in UPM)
Chairs from Industry Partners

- Alcatel-Lucent
- Indra
- Adecco
- IN-Nova
- Cátedra Isdefe
- red.es
- Vodafone
- Orange
- bq
- RTVE
- Telefónica
- SECUWARE
Main Research Areas

- Signal Processing and Communications
- Radiofrequency Technologies
- Telematics
- Biomedical Engineering
- Electronic and Photonic Technologies
- Solar Energy and other sustainable energies
- Horizontal Technologies
Research and PhD programs

Seven **PhD programs** train future researchers in the above areas:

- PhD in Communication Systems and Technologies
- PhD in Telematics Systems Engineering
- PhD in Biomedical Engineering
- PhD in Electronic Systems Engineering
- PhD in Devices and Materials for ICTs
- PhD in Photovoltaic Solar Energy
- PhD in Mathematics, Statistics & Operations Research
Some Figures

“In God we trust, all others bring data” (W. E. Deming. Debatable):

- More than 500 active research projects (131 international)
- 510 researchers & 248 faculty members. 76 PhD theses (15-16)
- Publications: nearly 400 JCRs (average annual value 2011-15)
- More than 160 patents since 2000
- 20-25% of UPM funds in research projects (more than 16 M€ in 2015). [UPM: 1st Spanish Univ. (3rd Organization) in R&D FP7 funding (2007-13) with 82 M€: 18.5 M€ come from ETSIT]
- More than 500 active agreements with industry partners.
ETSIT-UPM
www.etsit.upm.es