

First Spanish university to earn 5 stars according to international quality accreditation system **-QS Stars University Ratings-** (International Accreditation).

The UAH is Spain's second best public university for teaching quality **-CYD Ranking-**.

Top Spanish University for Employability. **-MECD Report on University Student's Labour Insertion-**.

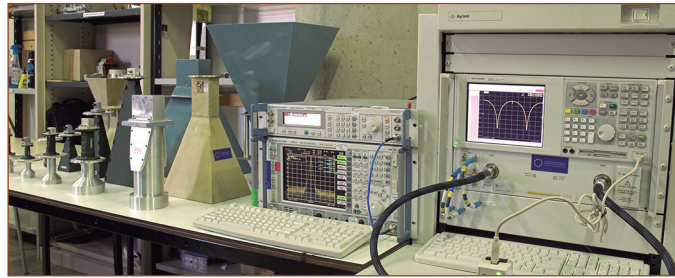
Among the World's Top Universities for employability **-QS Graduate Employability Ranking-**.

Campus of International Excellence in Smart Energy **-BIOENERGY & SMART CITIES-**.

PROFESSIONAL OPPORTUNITIES

The Degree in Telecommunication Technologies Engineering is aimed at providing students with general and integrated training in telecommunication technologies, preparing them to access to the Masters in Telecommunication Engineering.

- Telecommunications Applications and Services.
- Computers Software and Applications.
- Telematics Equipment and Systems.
- Transmission Equipment and Systems.
- Hardware and Computer Architecture.
- Other Electronic Equipment.
- Other Basic Technologies.



Universidad
de Alcalá

POLYTECHNIC SCHOOL

SCIENCE AND TECHNOLOGY CAMPUS EDIFICIO POLITÉCNICO

Ctra. Madrid-Barcelona, km 33,600
28805 Alcalá de Henares (Madrid)

escuelapolitecnica.uah.es



INFORMATION CENTRE

900 900 411

www.uah.es

ciu@uah.es

  /UniversidadDeAlcala

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Undergraduate degree with optional teaching in English in

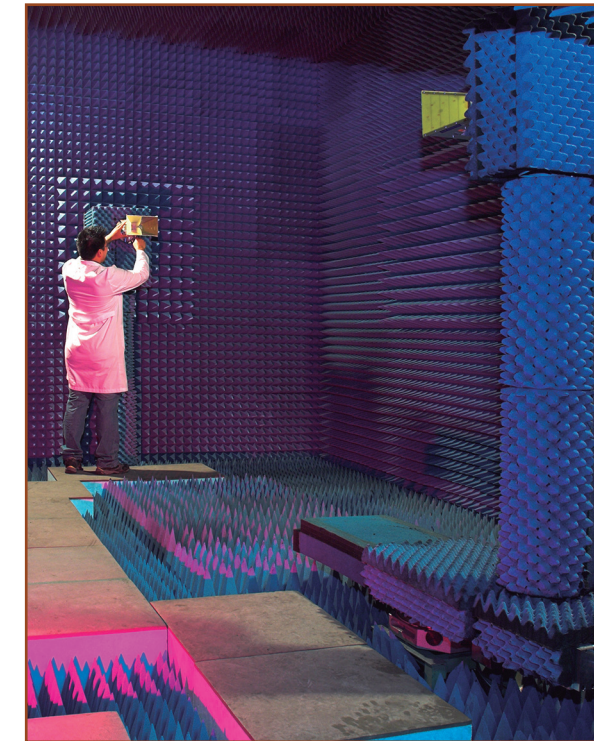
TELECOMMUNICATION TECHNOLOGIES ENGINEERING

Master in

ENGINEERING TELECOMMUNICATION

Field of Knowledge: Architecture and Engineering

PATRIMONIO DE LA HUMANIDAD



 Universidad
de Alcalá



Sello de excelencia internacional EUR-ACE a las titulaciones GIEAI, GIEC, GIST, GIT

GLOBAL CREDIT DISTRIBUTION (DEGREE)

TYPE OF SUBJECT	ECTS
Basic training (Basic)	66,0
Compulsory (COM)	132,0
Optional (OP)	36,0
Cross-curricular	6,0
TOTAL ECTS	240,0

GLOBAL CREDIT DISTRIBUTION (MASTER)

TYPE OF SUBJECT	ECTS
Training complements (COM)	30,0
Compulsory (COM)	60,0
Optional (including business placement)	18,0
Masters dissertation	12,0
TOTAL ECTS	120,0

The updated offer of optional matters is available on the website of the Centre

Students wishing to study part time may complete the course programme in 8 years.

Basic: Basic training;
COM: Compulsory; OP: Optional

COURSE PROGRAMME OF THE DEGREE IN TELECOMMUNICATION TECHNOLOGIES ENGINEERING

FIRST YEAR	FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
	Fundamentals of Physics I *	Basic	6,0	Fundamentals of Physics II *	Basic	6,0
	Calculus I	Basic	6,0	Calculus II	Basic	6,0
	Linear Algebra	Basic	6,0	Circuit Analysis *	COM	6,0
	Circuit Theory *	Basic	6,0	Programming *	COM	6,0
	Computer Systems *	Basic	6,0	Digital Electronics *	COM	6,0
TOTAL ECTS			60,0			

SECOND YEAR	FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
	Statistics	Basic	6,0	Communication Theory *	COM	6,0
	Signals and Systems *	Basic	6,0	Circuit Electronics *	COM	6,0
	Fundamentals of Electronics *	Basic	6,0	Network Architecture II *	COM	6,0
	Digital Electronic Systems *	COM	6,0	Business Economics	Basic	6,0
	Network Architecture I *	COM	6,0	Differential Equations and Numerical Methods	COM	6,0
TOTAL ECTS			60,0			

THIRD COURSE	FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
	Communication Networks	COM	6,0	Electronic Sub-Systems	COM	6,0
	Electronic Design	COM	6,0	High Frequency Technologies	COM	6,0
	Digital Treatment of Signals	COM	6,0	Digital Communications	COM	6,0
	Computer Architecture	COM	6,0	Operating Systems	COM	6,0
	Wave Propagation *	COM	6,0	Cross-curricular		6,0
TOTAL ECTS			60,0			

FOURTH YEAR	FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
	Optional 1	OP	6,0	Undergraduate Dissertation	COM	12,0
	Optional 2	OP	6,0	Optional 4	OP	6,0
	Optional 3	OP	6,0	Optional 5	OP	6,0
	Advanced Digital Electronic Systems	COM	6,0	Optional 6 or External Placement	OP	6,0
	Switching	COM	6,0			
TOTAL ECTS			60,0			

* Courses also taught in English

COURSE PROGRAMME OF THE MASTERS IN TELECOMMUNICATIONS ENGINEERING

For more information: www.uah.es/posgrado