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 in Employability. The degree in Telecommunication Systems Engineering, among the Spain's Top Universities 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

This degree leads to the Masters in Telecommunications Engineering, which qualifies its holders to carry on the profession of Telecommunications Engineers.

- · Radio communications.
- Mobile communications, including 26, 36, 46 and their evolutions.
- Telecommunication networks (cable, xDSL, Wi-Fi, Wimax).
 Optic systems.
- · Surveillance and security.
- · Radar technologies and electronic warfare.
- · Applications of digital signal processing.
- · Audio-visual systems.
- Studies on social economics, environment and sustainability.









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





Degree with bilingual option in

TELECOMMUNICATION SYSTEMS ENGINEERING

Field of Knowledge:
Architecture and Engineering

WORLD HERITAGE







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

GLOBAL CREDIT DISTRIBUTION

TYPE OF SUBJECT	ECTS
Basic training (Basic)	66,0
Compulsory (COM)	120,0
Optional (OP)	42,0
Cross-curricular	12,0
TOTALECTS	240,0

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

	FIRST TERM	Туре	ECTS	SECOND TERM	Туре	ECTS
A'	Fundamentals of Physics I *	Basic	6,0	Fundamentals of Physics II *	Basic	6,0
<u> </u>	Calculus I	Basic	6,0	Calculus II	Basic	6,0
\subseteq	Linear Algebra	Basic	6,0	Circuit Analysis *	COM	6,0
RS	Circuit Theory *	Basic	6,0	Programming *	COM	6,0
ᄪᆝ	Computer Systems *	Basic	6,0	Digital Electronics *	COM	6,0

TOTAL ECTS 60,0

~	FIRST TERM	Туре	ECTS	SECOND TERM	Туре	ECTS
¥	Statistics	Basic	6,0	Communication Theory *	COM	6,0
7	Signals and Systems *	Basic	6,0	Network Architecture II *	COM	6,0
문	Fundamentals of Electronics *	Basic	6,0	Wave Propagation *	COM	6,0
00	Digital Electronic Systems *	COM	6,0	Circuit Electronics *	COM	6,0
SE	Network Architecture I *	COM	6,0	Business Economics	Basic	6,0

TOTAL ECTS 60),	0	١
---------------	----	---	---

	FIRST TERM	Туре	ECTS	SECOND TERM	Туре	ECTS
AR	Communication Networks	COM	6,0	Radiation and Radiocommunication	COM	6,0
Ē	High Frequency Technologies	COM	6,0	Telecommunication Systems	COM	6,0
	Digital Communications	COM	6,0	Mobile Communications	COM	6,0
岩	Communication Circuits	COM	6,0	Cross-curricular I		6,0
广	Digital Signal Processing	COM	6,0	Cross-curricular II		6,0

TOTAL ECTS 60,0

~	FIRST TERM	Туре	ECTS	SECOND TERM	Туре	ECTS
EAR	Optical Communications	COM	6,0	External Placement / Optional 5, 6 and 7	OP	18,0
>	Oriented Optional 1	OP	6,0	Undergraduate Dissertation	COM	12,0
표	Oriented Optional 2	OP	6,0			
~	Oriented Optional 3	OP	6,0			
E I	Oriented Optional 4	OP	6,0			

TOTAL ECTS 60,0

^{*} Courses also taught in English