

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 Electronic Communications Engineering, top degree for Employability of all degrees taught in Spain's universities, both public and private **-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

- Technical and regulatory management of electronic instrumentation and control systems equipment.
- Use of telecommunication systems and services.
- Telecommunications infrastructures.
- Management of biomedical and robotic engineering applications.
- Electromagnetic interferences and compatibility.
- Energy production and photovoltaic plant design.
- R+D in electronics.
- Software and services.
- Consultancy.
- Teaching and research.

The Degree in Electronic Communications Engineering leads to the Masters in Telecommunication Engineering, which enables its holders to work in Telecommunications Engineering.



POLYTECHNIC SCHOOL

SCIENCE AND TECHNOLOGY CAMPUS EDIFICIO POLITÉCNICO

Ctra. Madrid-Barcelona, km 33,600
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INFORMATION CENTRE

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Degree with bilingual option in

ELECTRONIC COMMUNICATIONS 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
TOTAL ECTS	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 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	Network Architecture II *	COM	6,0
	Fundamentals of Electronics *	Basic	6,0	Waves Propagation *	COM	6,0
	Digital Electronic Systems *	COM	6,0	Circuits Electronics *	COM	6,0
	Network Architecture I *	COM	6,0	Business Economics	Basic	6,0
TOTAL ECTS			60,0			

THIRD YEAR	FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
	Communication Networks	COM	6,0	Advanced Digital Electronic Systems	COM	6,0
	Electronic Instrumentation	COM	6,0	Electronic Technology	COM	6,0
	Electronic Sub-Systems	COM	6,0	Electronic Control	COM	6,0
	Electronic Design	COM	6,0	Cross-curricular I		6,0
	Power Electronics	COM	6,0	Cross-curricular II		6,0
TOTAL ECTS			60,0			

FOURTH YEAR	FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
	Electronic Communications Systems	COM	6,0	External Placement / Optional 5, 6 and 7	OP	18,0
	Oriented Optional 1	OP	6,0	Undergraduate Dissertation	COM	12,0
	Oriented Optional 2	OP	6,0			
	Oriented Optional 3	OP	6,0			
	Oriented Optional 4	OP	6,0			
TOTAL ECTS			60,0			

* Courses also taught in English