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 Electronics and Industrial Automation Engineering, top degree in Madrid Region for employablity **-MECD Report on University Student's Labour Insertion-**.

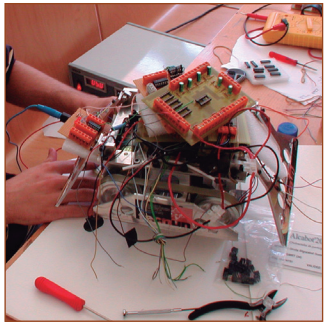
Among the World's Top Universities for employablity **-QS Graduate Employability Ranking-**.

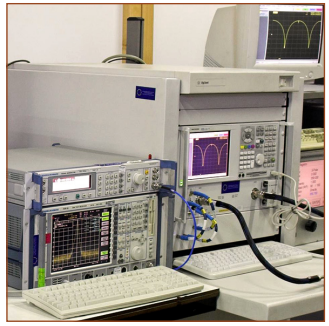
Campus of International Excellence in Smart Energy **-BIOENERGY & SMART CITIES-**.

PROFESSIONAL OPPORTUNITIES

- Industrial automation.
- Electronic design: hardware and software.
- Control engineering.
- Electricity generation.
- Electrical installations.
- Power electronics.
- High technology.
- Security Systems.
- Robotics.
- Home automation.

This degree enables the course programme to be completed with the Masters in Industrial Engineering, qualifying students to work as industrial engineers.





Universidad de Alcalá

POLYTECHNIC SCHOOL

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Undergraduate degree with optional teaching in English in

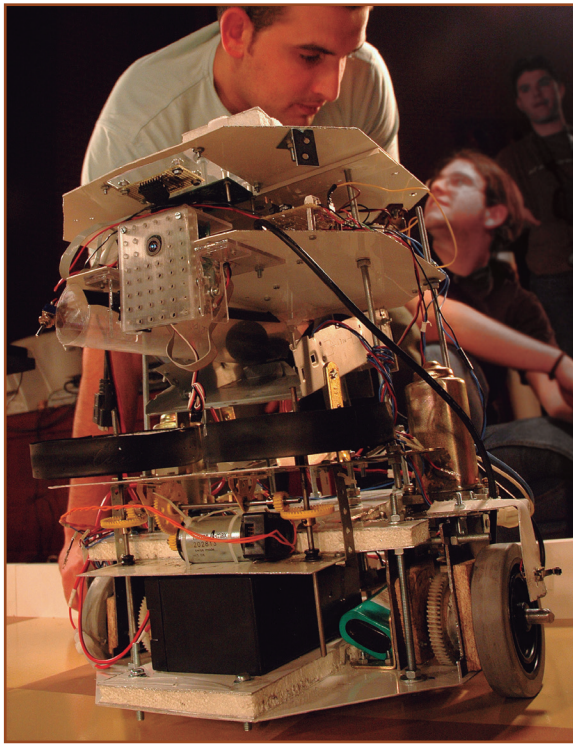
ELECTRONICS AND INDUSTRIAL AUTOMATION ENGINEERING

Master in

SCIENCE IN INDUSTRIAL ENGINEERING

Field of Knowledge: Architecture and Engineering

WORLD HERITAGE



Universidad de Alcalá

European Accreditation of Engineering Programmes
EUR-ACE®

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

GLOBAL CREDIT DISTRIBUTION (DEGREE)

TYPE OF SUBJECT	ECTS
Basic training (Basic)	60,0
Compulsory (Com)	144,0
Optional (OP)	24,0
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
Calculus I	Basic	6,0	Calculus II	Basic	6,0
Linear Algebra and Differential Equations	Basic	6,0	Circuit Analysis	COM	6,0
Physics I	Basic	6,0	Chemistry	Basic	6,0
Graphic Design	Basic	6,0	Mechanical Systems *	COM	6,0
Computer Science *	Basic	6,0	Physics II	Basic	6,0
		TOTAL ECTS	**60,0**		

SECOND YEAR

FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
Statistics	Basic	6,0	Fluid Mechanics	COM	6,0
Thermal Engineering	COM	6,0	Control Engineering I *	COM	6,0
Analogical Electronics *	COM	6,0	Electronic Technology *	COM	6,0
Digital Electronics *	COM	6,0	Industrial Computing *	COM	6,0
Materials Sciences	COM	6,0	Business Economics	Basic	6,0
		TOTAL ECTS	**60,0**		

THIRD YEAR

FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
Digital Electronic Systems *	COM	6,0	Electronic Instrumentation	COM	9,0
Automation	COM	6,0	Power Electronics *	COM	9,0
Electrical Machines	COM	6,0	Electrical Materials Resistance	COM	6,0
Control Engineering II	COM	6,0	Electronic Control Engineering *	COM	6,0
Cross-curricular I		6,0			
		TOTAL ECTS	**60,0**		

FOURTH YEAR

FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
Projects	COM	6,0	Final Year Project	COM	12,0
Robotised Systems	COM	6,0	Cross-curricular II		6,0
Industrial Production Systems	COM	6,0	External Placement / Optional 3 and 4	OP	12,0
Optional 1	OP	6,0			
External Practices / Optional 2	OP	6,0			
		TOTAL ECTS	**60,0**		

* Courses also taught in English