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-**.
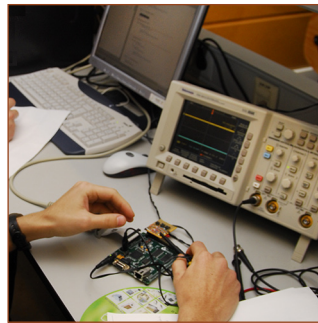
Top Spanish University in Employability. The degree in Computer Engineering, top degree in Madrid Region for employablity -**MECD Report on University Student's Labour Insertion**-.

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

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

PROFESSIONAL OPPORTUNITIES

- Management, planning, and supervision of multidisciplinary teams.
- Technical and economic management of R+D (Research and Development) projects in companies, organizations, and technological centres.
- Development of specific processors and embedded systems.
- Design, management, and administration of computer networks.
- Design and implementation of communications software and software systems.
- Teaching and research.

Degree with optional teaching in English in

COMPUTER ENGINEERING

Field of Knowledge:
Architecture and Engineering

WORLD HERITAGE

Universidad de Alcalá

POLYTECHNIC SCHOOL

SCIENCE AND TECHNOLOGY CAMPUS
EDIFICIO POLITÉCNICO

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

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Universidad de Alcalá

GLOBAL CREDIT DISTRIBUTION

TYPE OF SUBJECT	ECTS
Basic training (Basic)	60,0
Compulsory (COM)	123,0
Optional (OP)	45,0
Cross-curricular	12,0
TOTAL ECTS	**240,0**

SPECIALITIES

- Intensive module of 24 ECTS in Embedded Systems Development Techniques.
- Intensive module of 24 ECTS in Advanced Computing and Specific Architectures.
- Intensive module of 24 ECTS in Ubiquitous and Distributed Computing.

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

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

COURSE PROGRAMME

FIRST YEAR

FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
Physics	Basic	6,0	Software Development	Basic	6,0
Fundamentals Of Mathematics	Basic	6,0	Business Management	Basic	6,0
Fundamentals of Computer Technology *	Basic	6,0	Operating Systems *	Basic	6,0
Fundamentals of Programming	Basic	6,0	Discrete Structures	Basic	6,0
Statistics	Basic	6,0	Cross-curricular I		6,0
			TOTAL ECTS	**60,0**	

SECOND YEAR

FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
Data Structures *	COM	6,0	Advanced Programming *	COM	6,0
Computer Structure and Organisation *	COM	6,0	Circuit Analysis *	COM	6,0
Network Architecture *	COM	6,0	Databases *	COM	6,0
Advanced Operating Systems *	COM	6,0	Computer Networks *	Basic	6,0
Advanced Mathematics	COM	6,0	Software Engineering *	COM	6,0
			TOTAL ECTS	**60,0**	

THIRD YEAR

FIRST TERM	Type	ECTS	SECOND TERM	Type	ECTS
Language Processors	COM	6,0	Perception and Control	COM	6,0
Signals and Systems *	COM	6,0	Project Management	COM	6,0
Computer Architecture and Engineering	COM	6,0	Real Time Systems	COM	6,0
Electronics	COM	6,0	Modeling and Synthesis of Digital Electronic Systems	COM	6,0
Cross-curricular II		6,0	Embedded Systems	COM	6,0
			TOTAL ECTS	**60,0**	

FOURTH YEAR

FIRST / SECOND TERM	Tipo	ECTS
Optional 1	OP	6,0
Optional 2	OP	6,0
Optional 3	OP	6,0
Optional 4	OP	6,0
Optional 5	OP	6,0
External Work Experience or Optionals 6, 7 and 8	OP	15,0 18,0
Undergraduate Dissertation	COM	15,0
TOTAL ECTS	**60,0**	

* Courses also taught in English