

Master's Degree in Automation and Industrial Computing



The fundamental aim of these Master's studies is the specialists' formation in these matters in order that they are capable of approaching the design, implementation, operation and maintenance of automatic systems of supervision, control, manipulation and management of productive processes in those who ask from themselves high presentations of dynamic behavior, energetic saving, reduction of pollution or efficiency and safety.

This scientific - technological field, in continuous evolution and progress, needs also the formation of investigative young persons who are capable of confronting the new industrial challenges.

Distribution of credits

Compulsory courses	Optional courses	Master Thesis	Total ECTS Credits
27.00	18.00	15.00	60.00

Compulsory courses

Code	Course Name	Term	ECTS Credits
34397	Physical interfaces and fixed systems	B	4.5
34398	Planning and advanced control of robots	B	4.5
34396	Networks and Systems distributed for control	B	4.5
34399	Predictive and intelligent control	B	4.5
34400	Vision for computer in the industry	B	4.5
34393	Seminars	A and B	4.5
33401	Master Thesis	A and B	15.00
		Total	37.00

Optional courses

Code	Course Name	Term	ECTS Credits
34387	Control Engineering	A	4.5
34390	Tools of shaped and process simulation	A	4.5
34388	Implementation systems of control	A	4.5
34389	Systems of control in network. Supervision with tools SCADAS	A	4.5
34391	Control and programming robot	A	4.5
34392	Service Robots	A	4.5
34395	Design and system development of real time	A	4.5
34394	System programming	A	4.5
		Total	18.00