

Master's Degree in Advanced Engineering in Production, Logistics and Supply Chain Management



The logistics sector, in its multiple aspects related to production is one of the most important and increasing area of the technology now. The logistic engineering is part of the group of the industrial branch of the engineering, and basically is the one which deals with the conception and management of products, management and its procedures to ensure the best use of the resources available, take the most out of the processes and minimize at the same time its costs and difficulties.

Distribution of credits

Compulsory courses	Specialization area courses	Master Thesis	Total ECTS Credits
32.00	16.00	12.00	60.00

Compulsory courses*

Code	Course Name	Term	ECTS Credits	
30369	Supply Chain Strategy	A	4	
30455	Transport Management: Infrastructure and means	A	4	
32603	Advanced Management of Production and Inventory Systems	A	4	
32604	Supply Chain Modeling: Reference Architecture and Engineering	A	4	
32602	Supply and Distribution Logistics	B	4	
30457	Business Process Management (BPM)	B	4	
30456	Simulation of the Supply Chain	B	4	
32605	Performance Management System	B	4	
32452	Master Thesis	Annual	12	
			Total	44

Optional courses*

Code	Course Name	Term	ECTS Credits	
32606	Internal Logistics and Warehouse Design and Management	A	4	
30381	3PL/4PL Third Party Logistics Providers	A	4	
30384	Quantitative Modelling Techniques for Supply Chain Management	A	4	
30459	Technologies and Software Applications for Supply Chain Management	A	4	
32607	International Trade	B	4	
32609	Collaborative Process Management in Supply Chains	B	4	
32608	International Logistics	B	4	
30463	Production Planning and Programming in Distributed Environments	B	4	
			Total	32

Specialization courses*

Option 1: Logistics and Transport

Code	Course Name	Term	ECTS Credits
32606	Internal Logistics and Warehouse Design and Management	A	4
30381	3PL/4PL Third Party Logistics Providers	A	4
32607	Foreign Trade	B	4
32608	International Logistics	B	4
		Total	16

Option 2: Information process and technology research

Code	Course Name	Term	ECTS Credits
30459	Technologies and Software Applications for Supply Chain Management	A	4
30384	Quantitative Modelling Techniques for Supply Chain Management	A	4
32609	Collaborative Process Management in Supply Chains	B	4
30463	Production Planning and Programming in Distributed Environments	B	4
		Total	16

**Language of tuition will be Spanish*