





**MASTER'S DEGREE IN INDUSTRIAL ENGINEERING****First year:****COMPULSORY CORE MODULE:**

Code	Course	ECTS	Semester
7036	Technology of Structures	6	Fall
7037	Enterprise Management	6	Fall
7038	Manufacturing and Machines	6	Fall
 7039	Power Electrical Systems	6	Fall
7040	Commercial Law and Labour Law	3	Fall
 7041	Industrial Chemistry	3	Fall
7042	Construction and Building of Industrial Plants	6	Spring
 7043	Production and Projects Management	6	Spring
7044	Energy Engineering	6	Spring
7045	Advanced Process Control	6	Spring
7046	Electronic Engineering	6	Spring


**Second year:****COMPULSORY COURSES :**

Code	Course	ECTS	Semester
7152	Industrial Maintenance	3	Fall
7058	Final Master's Project	6	Fall

**ELECTIVE COURSES:** (Choose 21 credits: a complete module of 15 credits, and 6 credits from other modules)**Module: Industrial Technologies**

Code	Course	ECTS	Semester
 7047	Power Plants	3	Fall
7048	Cars Technology	6	Fall
7049	Materials Technology	6	Fall

**Module: Management**

Code	Course	ECTS	Semester
7050	Quality and Productivity	3	Fall
7051	Economic Theory and Institutions	6	Fall
7052	Ergonomics and Psychosociology	3	Fall
 7053	Advanced Methods in Management Engineering	3	Fall


**Module: Installations, Industrial Plants and Complementary Constructions**

Code	Course	ECTS	Semester
7054	Thermal Installations	3	Fall
7055	Electrical Installations	3	Fall
7056	Structures	3	Fall
7057	Construction and Building of Industrial Plants	6	Fall

**External Internships**

Code	Course	ECTS	Semester
7256	External Internships	6	Fall

**IMPORTANT INFORMATION**

 English Friendly Courses. / Fall Semester = 1º Semester / Spring Semester = 2º Semeste
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