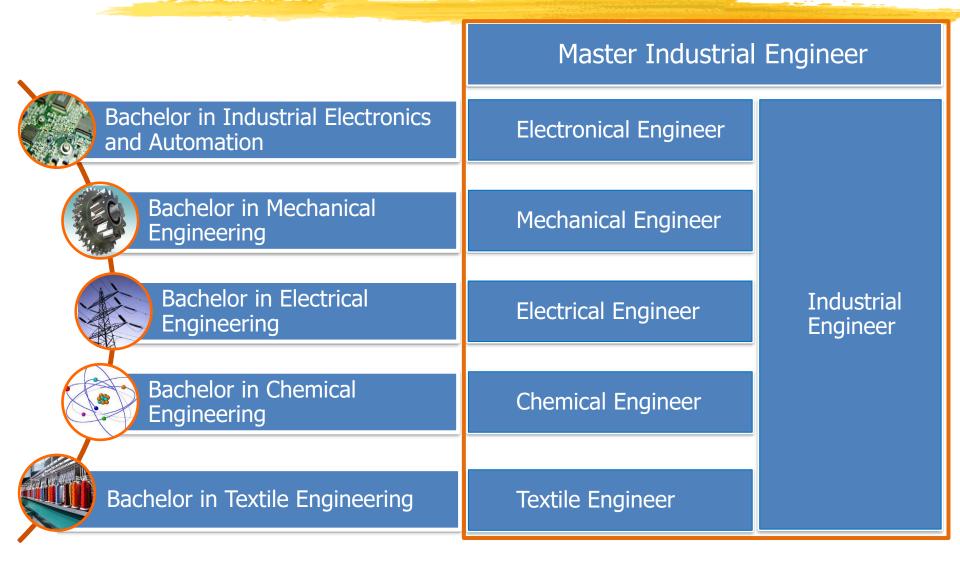






Professions and Degrees





- Master in Industrial Engineering: 120 ECTS
 - Mandatory subjects: 78 ECTS
 - Elective subjects: 24 ECTS
 - Master's Thesis: 18 ECTS

2 year program







- The term "Industrial Engineer" in Spain differs from its use in the rest of the world.
- The profession of Industrial Engineer in Spain is a regulated professional title with signing powers focused to broaden engineering competences in different fields.
- It differs in concept, knowledge, and skills from the "Industrial Engineering" degree of many other countries, more focused in engineering and management.
- These degrees in Spain are referred to as "Industrial Organization" (Organización Industrial).



Modules	ECTS
Management Module	24
Industrial Technology Module	36
Installations, Plants and Complementary Constructions Module	18
Elective Module	24
Master's Thesis	18
TOTAL ECTS	120





1 st Course – 2 nd Semes	ECTS	1 st Course – 1 st Semester
Elective subject	6	Elective subject
Machine Design and Test	6	Unit Operations of Chemical Processes
Industrial Structures	6	Generation and Distribution of Energy
Advanced Manufacture Sys	6	Electrical Installations and HVAC systems
Industrial Organization	6	Industrial Organization I
TOTAL ECTS	30	TOTAL ECTS
2 nd Course – 2 nd Semes	ECTS	2 nd Course – 1 st Semester
	6	Control, Certifications and Auditing
Elective subjects	6	Business Administration
	6	Project and Human Resource Management
Master's Thesis	6	Electronics and Control Systems Design
TOTAL ECTS	6	Thermal and Hydraulic Machines
	30	TOTAL ECTS

1 st Course – 2 nd Semester	ECTS
Elective subject	6
Machine Design and Testing I	6
Industrial Structures I	6
Advanced Manufacture Systems	6
Industrial Organization II	6
TOTAL ECTS	30
2 nd Course – 2 nd Semester	ECTS
Elective subjects	12
Master's Thesis	18
TOTAL ECTS	30









Conventional Training

- Conventional Training
 - Learning process
 - Classes
 - Laboratories
 - Visits to companies
 - ...

- Evaluation process
 - Exams
 - Assignments
 - Presentations
 - . . .





The Dual Training Education System is based on the complementarity principle of learning in an academic degree and training in a professional environment in a company. It is a form of training that takes place alternately between the university and the company.













































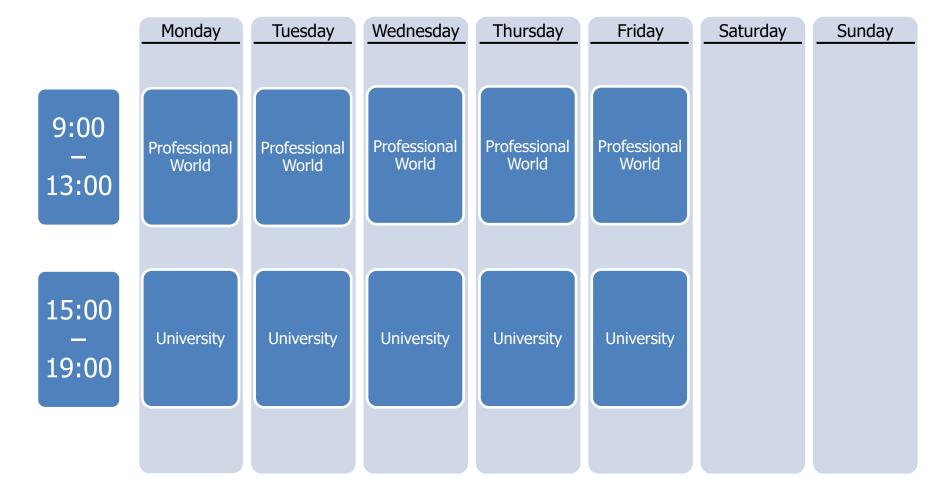




- Selection process
 - May: Publish the positions for dual training for the next year.
 - Until Mid June:
 - Enroll to MEIND
 - Contact the coordinator of Dual Training to enroll Dual Training.
 - Dual Training process:
 - Prioritize companies
 - Upload your Curriculum Vitae
 - Upload you academic record
 - End of June the Curriculum Vitae and the academic record will be send to the companies selected by the students.
 - July:
 - The companies will start the selection process.
 - The companies will notify the students and EPS about their selection.
 - September: Second round of selection.
 - October: Dual Training starts.



Full time contract with the company (8 h/day)







Follow-up

- Enterprise advisor
 - Practical training of the student.
 - Correct integration of the student in the company.
 - Acquisition of the professional competences.
 - Follow-up and evaluation of the competences and skills.

- University advisor
 - Follow-up of the relation between company and student.
 - Coordination between company-university.
 - Acquisition of the professional competences.
 - Follow-up and evaluation of the competences and skills.





Planning (Each semester)



- Student
- Enterprise advisor
- University advisor

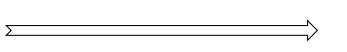
















- Evaluation Notebook
 - Competences
 - Skills

Level achieved 0-10

80% Technical competences
20% General competences & Skills

- Report Evidences
- Follow-up
 - Enterprise advisor
 - University advisor

