The Quality, Innovation and Reliability Engineer participates and manages the actions for improving and guaranteeing the overall company performance regarding the products or services, the industrial processes and the organization. The programme aims to train experts in methods for the design of innovative products within a global product life cycle and customer-oriented purpose.

More specifically, the QIF engineer will be able to:
- Implement and lead a quality strategy
- Build technical expertise to guarantee and improve reliability of industrial systems
- Create and develop innovative products and processes
- Offer innovative, technical and organisational solutions to industrial issues

Therefore, the Engineer acquires a global vision of his/her company that will make him/her a real player in the competitiveness and risk management issues.
### 3RD YEAR

**General courses**
- English, German or Spanish, Economic Environment, Sports, Company Organisation, Integration Challenge, Communication, Management, Accounting

**Applied sciences**
- Applied Statistics and Dependability, Optimisation (OR), Manufacturing Processes and Materials

**Fundamentals in Engineering**

**Quality and Innovation methods**

**Internship in a foreign country (3 months)**

### 4TH YEAR

**General courses**
- English, German or Spanish, Communication, Sports

**Sciences and Technologies**
- Mechatronic and System Engineering, Advanced Spreadsheet, Industrial Optimisation, Computer Engineering, Statistical Methods and Reliability Models

**Methodology**
- Risk Analysis Methods, Management System, ISO Approaches (QHSE), Customer and Supplier Relations, Engineering Office Dimensioning, Physical Failure, Maintainability

**Management and Law**

**Projects (Improvement and industry-oriented)**

**Internship in a company (3-4 months)**

### 5TH YEAR

**General Courses**
- English, Professional integration, Global Responsibility and Professional Risk Prevention, Project Cost Management, Performance Analysis, Entrepreneurship

3 Specialisation Programmes
- **Quality Engineering**
- **Innovation**
- **System Reliability Engineering**

**Industry-oriented project (21 days)**

**Internship (5-6 months)**

### 3 SPECIALISATION PROGRAMMES

- **Quality Engineering**
  - Manage complex projects - Identify and implement quality tools for monitoring and improving products and processes

- **Innovation**
  - Design innovative products - Manage company knowledge to innovate - Ensure a watch to anticipate future markets

- **System Reliability Engineering**
  - Model and design safe operating systems - Assess and validate reliability of computer, electronic and mechanical systems and lay out operational maintenance procedures

### COMPANIES THAT HAVE RECRUITED OUR ENGINEERS:

- NEXEYA System, Airbus, Manitou, Magneti Marelli, EADS APSYS, GDF SUEZ, Logica...