



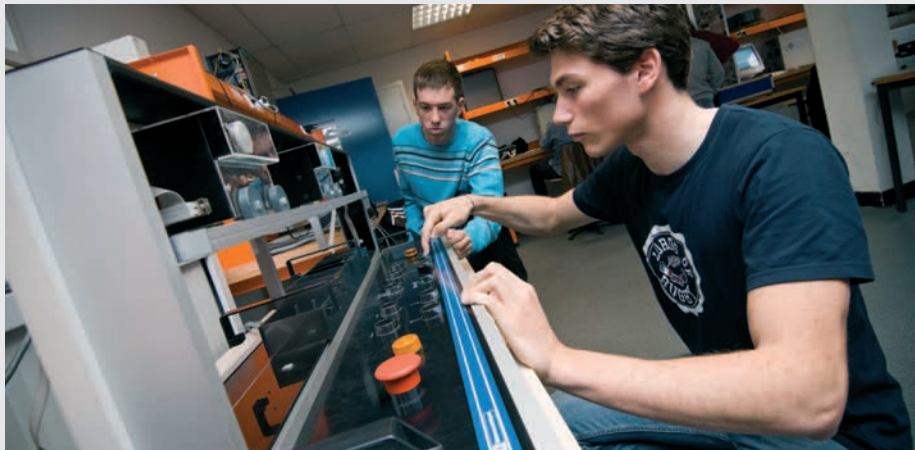
The **Quality, Innovation and Reliability Engineer** participates and manages the actions for **improving** and **guaranteeing** the overall **company performance** regarding the products or **services**, the **industrial processes** and the **organization**. The programme aims to train experts in methods 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.



POSITIONS

– **QUALITY**

Operational Security Engineer – Process Methods Engineer – Quality Assurance Engineer – Software Quality Engineer – Project Quality Engineer – Lean Manager – Organisational Optimisation Project Manager – Reliability Engineer

– **INNOVATION**

Conception/R&D/Innovation Engineer – Innovation Funding Consultant – Design Engineer – Engineering Project Manager – IT Engineer – Innovative Entrepreneur

FIELDS OF ACTIVITY

– **ALL FIELDS OF ACTIVITY**

- Engineering and consulting - Transportation - Bank and insurances - IT - Energy power industry (Oil & Gas, nuclear, etc.) - Automotive industry - Telecommunications - Chemical process industry, etc.

CURRICULA

50%
projects and
collaborative work

50%
of trainers are
professionals



| | |
|---|--|
| 3 | 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 Mechanical Engineering, Computer Engineering, Electronic Engineering, Industrial Engineering / Manufacturing Management, Optimisation and Management of Processes, Industrial Automation |
| | Quality and Innovation methods Information Research and Patent Documentation, Life Cycle Analysis, Introduction to Innovation and Quality, Problem Solving, Engineering Project, Innovation Methods, Metrology and Quality Control |
| Internship in a foreign country (3 months) | |



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|---|---|
| 4 | 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 Technological Watch and Knowledge Management, Project Management, Labour law, Intellectual Property and Regulation, Marketing, Management of Global Performance, Sustainable Development, Company Management System Maturity |
| Projects (Improvement and industry-oriented) | |
| Internship in a company (3-4 months) | |

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|--------------------------------|--|
| 5 | 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) | |



Nora Q. Year 2015 - Quality Engineer at General Electric - France Quality Performance 2016 Award

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...