

Chemical and environmental engineer, define and build a project

 ECTS
5 credits Component
INSTITUT
NATIONAL
DES SCIENCES
APPLIQUEES
TOULOUSE Number of
hours
61h

Presentation

management system related to ISO 9000 - 14000-18000:
installation, diagnostic, monitoring

Description

Programme (detailed contents):

Part Standardization / Management System

- Understand the tasks of a manager (QS) E
- Know the principles of ISO standards including product quality, safety, environment
- Know how to apply / implement an ISO-type approach
- Understand the implementation of environmental management system by offering / using tools

prioritization of environmental issues within a company

Program :

Knowledge of engineering professions: presentation of different trades and activity area that can be offered to young engineers in process and environment engineering: engineering, production, R & D, teacher and researcher, consultant and environmental management, territorial engineer, project engineer. Tools specific to these businesses (which are part of their knowledge and skills), how to access and career development are discussed.

Theoretical principles will be illustrated in a project. The practice of an individual or collective sport will allow the students to develop skills like teamwork, be involved but also observe, himself question

Organization (course):

Lectures from external actors engaged in the trades concerned are organized (around 20 speakers, with time activity ranging from 1 to 25 years). Students begin to weave their network and can better identify the jobs they want to exercise, when they leave the university

Objectives

At the end of this module, the student will have understood and be able to explain (main concepts):

AA1: Identify business sectors :engineering, territorial engineering, environmental management, research, development, production, consulting, sales engineer ...), their specificities, their tools and conditions for access.

AA2: Identify major constraints in industrial production,

know the key steps of responses to supply and achievement of business calls, the principles of public and private markets, the basics of environmental management and sustainable development.

AA3: applying the acquired scientific and technical training in process engineering in the context of industries and trades

AA4: namely build a professional network of contacts from meetings and information presented by the speakers

AA5: get involved in a group and a project to adapt, dare drive the action, ie abandon, propose ...

Pre-requisites

All the Chemical Engineering training

Useful info

Place

➤ Toulouse