

# ENERGY MANAGEMENT

## LANGUAGE:

English

## PREREQUISITES:

Bachelor's in business engineering (INGEIBA) or equivalent

## TEACHING METHODS:

Lectures, company visits, games, group work and individual projects

## EVALUATION METHODS:

Written exams, oral exams, continuous evaluation



## CONTENT

The energy transition will have significant socio-economic impact at all levels. It requires large investments in alternative energy sources and energy efficiency, technological innovation, new business models and better government policies.

This major prepares you for this complex and evolving world, with sector specific knowledge and interdisciplinary tools to analyze and manage those challenges.

## AIMS:

You will learn how to analyze and solve complex energy problems with interdisciplinary tools from management, economics, engineering, and public policy.



## 5 MANDATORY COURSES

- Energy System Analysis
- Energy Markets and Demand
- Energy and Transition Perspectives
- Supply Chain Management
- Tools for Supply Chain Management Decisions

### Acquired Skills:

- Applying analytical and quantitative methods to real-world problems
- Analyzing complex techno-economic problems with multiple methodologies
- Synthesizing and presenting system functioning and solutions

### Career Opportunities:

The interdisciplinary profile of this major gives you an ideal background as energy manager in the energy intensive industry, energy strategy consultant, policy expert for government and regulatory agencies, or as commodity market analyst or trader in financial institutions. You will be ideally suited to liaison with engineers, lawyers and economists, with both analytical, technical and managerial competences.

