

SCIENCES, TECHNOLOGIES AND HEALTH

# Sustainable industrial engineering

Master in Industrial engineering



**Duration**  
2 years



**Component**  
Grenoble INP -  
Génie industriel  
(Conception  
de produits ou  
de services,  
gestion de  
production et  
logistique), UGA



**Language(s) of  
instruction**  
English

## Presentation

Industry is of critical importance for the global economy. Industrial engineering is the branch of engineering that is concerned with the efficient production of industrial goods as affected by elements such as plant and procedural design, the management of materials and energy, and the integration of workers within the overall system. Sustainable industrial engineering addresses the issue of sustainability of industry in three ways : from an environmental point of view, from a social and societal point of view, from an economical point of view.

Sustainable industrial engineering has myriads of application fields since it encompasses the whole value chain and lifecycle of products : from the development of new and innovative machines, products-services to the market and recyclability.

**International education** : Internationally-oriented programmes

## International dimension

100% taught in English

## Admission

### Access conditions

- To integrate a master's degree in the 1st year, you must have a 3rd year bachelor's degree or equivalent. Your course must be in line with the master you want to integrate. Recruitment and registration procedures are specified directly at the specialty level. At the end of the 1st year, you will choose your second-year major.
- To be accepted for a master 2nd year, you must hold a master 1st degree or equivalent. Your previous studies must be compatible with the master you wish to study. The recruitment and registration conditions are stated for each speciality.

### Candidature / Application

See  Grenoble INP - Génie industriel website

## Target

The SIE master addresses students owning a bachelor of Science or engineering or equivalent in :

- Industrial Engineering
- Supply Chain, Operations Management, Logistics and Transportation, Operational Research
- Manufacturing Science, Product Design, Product Development, Mechanical Engineering, Materials Science, Electrical Engineering
- Computer Science, Information Systems

## And after

### Sector(s)

The vocationally-oriented international programme, designed for foreign students, aims to train managers in the field of industrial engineering with a specialisation on sustainability issues relating to the product and its logistics chain :

- **Industrial engineers with sustainable impact** : the students will be able to find jobs in industrial, mechanical, production, automation, aerospace, energy or management engineering
- **Researchers in industry** : the students will have plenty of opportunities to carry on their studies as PhD among one of the numerous international laboratories of the SIE partners (full members or associates) and the research community in the sustainable manufacturing domain

## Useful info

### Contacts

#### Program director

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#### Program director

Maria Di Mascolo

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#### Program administration

Registrar's Office for the Master in Industrial Engineering

✉ genie-industriel.scolarite-master@grenoble-inp.fr

### Course location(s) - City

📍 Grenoble

### Campus

🏠 Grenoble - Doyen Gosse