

## Why study materials engineering in France?

French companies such as Arcelor Mittal, Air Liquide, Saint-Gobain, Lafarge, Rhodia, Michelin and Eramet are global leaders in the materials industry (steel, gas, glass, concrete, plaster, cement, plastics, rubber, composites, etc.).

Manufacturing industries need a whole host of materials (stone, concrete, ceramics, polymers, wood, semiconductors, magnetic and biomaterials, etc.) for the fabrication of products, machinery and infrastructure that shape our environment (roads, buildings, satellites, computers, aerospace, vehicles, etc.).

## Careers

Materials engineers possess a wide range of skills and work in a multidisciplinary approach, as they are involved in every step of the manufacturing process of the material they specialize in, from design to production and use. In addition, they must take economic and environmental issues into account.

Materials engineers are needed in a variety of industries: railway, photovoltaic, nanotechnology, automobile, aeronautics, metal, nuclear weapons, polymers, composites, microelectronics, etc. Materials engineering is a highly research-oriented academic field, with 50% of students pursuing PhDs.

## n+i engineering institutes

Arts et Métiers Paris Tech, ENSAIT, ENSIACET, ENSIAME, ENSICAEN, ENSIL, ENSISA, ENSMM, ESCOM, ESTACA, ESTP, HEI, INSA Centre Val de Loire, INSA Strasbourg, INSA Toulouse, ITECH, Mines Albi-Carmaux, Polytech Nantes, Polytech Orléans, Polytech Paris-Sud, SIGMA Clermont, etc.

## Keywords

*Chemistry – composites – materials – nanomaterials – product/production – structural – etc.*

## Entreprises

- [ds.arcelormittal.com/portal/france](http://ds.arcelormittal.com/portal/france)
- [www.saint-gobain.fr](http://www.saint-gobain.fr)
- [www.lafarge.fr](http://www.lafarge.fr)
- [www.areva.com](http://www.areva.com)
- [www.rhodia.com](http://www.rhodia.com)
- [www.michelin.com](http://www.michelin.com)
- [www.eramet.com](http://www.eramet.com)

## Photos et vidéos

<http://youtu.be/CucCxxX6IVU?list=UUAUgpKyceozcNk19Ulz7rpg>

