Industrial engineering

Graduates of the Ecoles Centrale have a specific training combining scientific skills and soft skills. This teaching unit is more specifically dedicated to these latter skills and offers the students the opportunity to train in one of three different types of professional activities:

- R&D: the aim of this course is to present a broad field, from fundamental research to industrial R&D, to enable students to plan the beginning and the evolution of a career in different research professions, or downstream in development and innovation. A lab internship of 3 weeks is planned in one of the 8 Centrale's lab as well as advanced trainings in producing bibliographies and writing scientific documents.
- Engineering & design office: the objectives of the unit are: - To understand the product design cycle from the definition of the need to a coherent and sufficient dimensioning - To learn how to use digital modeling and prototyping tools (CAD, Finite Element Modelling, Optimal Design, Additive Manufacturing..) - Beyond a functional design, to understand how to provide manufacturable objects including a sustainability dimension – To learn how to work as a team and parallelize activities. The core of the module is a project in which students, in groups of 3 or 4, design and produce a study.
- Entrepreneurship: The “Entrepreneurship” unit aims to present the process of creating an activity, to highlight all the related questions once and to train those who will launch innovative projects. More generally, the course provides the students with the basic management and management tools necessary for any entrepreneur. It allows them to implement them, virtually or in collaboration with real project leaders, in relation with local partners in the world of business creation.

From:
https://wiki.centrale-med.fr/msct-cse/ -

Permanent link:
https://wiki.centrale-med.fr/msct-cse/ine9

Last update: **2023/07/13 09:47**