

Groupe des Ecoles Centrale

5 Ecoles Centrale in France



Centrale
Nantes



CentraleSupélec



centralelille



ÉCOLE
CENTRALE LYON



CENTRALE
MARSEILLE



Groupe des Ecoles Centrale



And Centrale Beijing-China, Hyderabad-India, Casablanca-Morocco, Mauritius

Groupe des Ecoles Centrale

- Nearly **7 000 students** in total
- **600 full-time Academic staff**
(nearly 500 with research activities)
- > € 80 million per year in budget
50% public / 50% private
- Research 800 PhD students
33 laboratories
- Alumni **70 000 engineers in activity**



Strong corporate partnerships and recognition at national and international level



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Success stories of graduates from the Ecoles Centrale



Cédric Gautier
Centrale Nantes
CEO Stella Aerospace



Raphaël Gorgé
Centrale Marseille
CEO Groupe Gorgé



Carlos Tavares
CentraleSupélec
CEO PSA



Benoit Potier
CentraleSupélec
CEO Air liquide



Hubert Sagnières
Centrale Lille
CEO Essilor



Didier Lamouche
Centrale Lyon
CEO Oberthur Tech.



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What makes a « Centrale » engineer?

Main features

- Wide knowledge of numerous scientific and technical disciplines
- Competencies in economics and social sciences
- Personal experience of industry
- Experience of team-work and project-work
- Global vision & open-minded approach
- High management potential

Positions

- All sectors of economy (industry & services)
- Research, development and innovation
- Senior positions as an expert or a manager



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Generalist engineering “à la française”

Which instrument personifies best the generalist engineer ?



The answer is the conductor!

He plays several instruments, understands complex pieces of music such as symphony and opera, knows how to make all artists play together



From the leader of a chamber music group ...



... To the conductor of a small chamber orchestra



Up to the conductor of the largest orchestras in the world...

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Possible academic exchange tracks



- Double Degree (2 years) : generalist engineering program
- One semester exchange program (Semester 8)
- One year exchange program (Semesters 7 & 8 or Semester 9 & Master Thesis)
- Master Thesis in a laboratory



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Scientific fields in the GEC



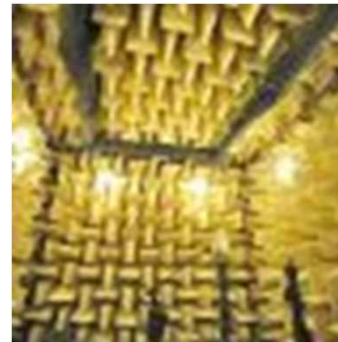
Wave tank, Centrale Nantes



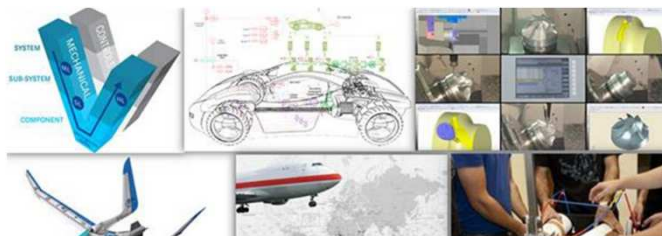
Clean room
Centrale Lille



Anechoic wind tunnel
LMFA, Centrale Lyon



Anechoic chamber
LMA, Centrale Marseille



Industrial engineering
CentraleSupélec

- **Scientific fields**
 - Applied Mathematics
 - Aeronautics / Aerospace
 - Computer Science
 - Physics / Applied Physics
 - Industrial Engineering
 - Civil Engineering
 - Mechanical Engineering
 - Robotics
 - Electronics
 - Process Engineering
 - Chemistry
- **Instruction language**
 - French (mostly)
 - English

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Many student clubs and associations

- Students' Union
- Junior enterprise, Job Fair organisation
- Sport clubs : Sailing, Rugby, Football, Basketball, Martial Arts,...
- Arts clubs : Jazz, Chess, Theatre, Cinema, Dance,...
- Science & Technology clubs : computers, Fablabs, robotics,...
- Social responsibility : tutoring students from disadvantaged backgrounds
- International students' clubs
- and many more...



Centrale Nantes



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Centrale Marseille



Centrale Lyon



Centrale Lille



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In conclusion

Depending on your mobility, you get

- **Multi-disciplinary curriculum** : which helps to discuss with specialists and gives a broad overview of future challenging complex problems (sustainability, digitalization, climate evolution, energy management),
- **High-level scientific courses** in all fields of science, technology and engineering
- **Access to social sciences, foreign languages and humanities**
- **Soft-skill training**: leadership, management & innovation courses, team projects, possible involvement in student clubs
- **Corporate networking** : internships, job fairs, conferences, projects, round tables
- **Constant improvement in French proficiency**: 300 million French-speaking people in the world (many of them in Africa which is the fastest growing continent)



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<http://www.centralesupelec.fr/>

<http://centralelille.fr/>

<https://www.centrale-marseille.fr/>

<https://www.ec-nantes.fr/>

<http://www.ec-lyon.fr/>

