



International Students

**(A) BROAD-MINDED
ENGINEERS**

**A LEADING GRADUATE
SCHOOL OF ENGINEERING
IN MARSEILLE**



1 SEMESTER OR 1 YEAR STUDY IN MARSEILLE AND BECOME AN INTERNATIONAL STUDENT

HOW TO PREPARE YOUR MOBILITY PROJECT:

- + Check that your home university has an agreement with Centrale Marseille and that it covers exchange mobility.
- + Choose your mobility period (Fall Semester, Spring Semester, full year) and check its compatibility with the academic calendars at your home university and at Centrale Marseille
- + Select courses and check their recognition at your home university.

GENERAL INFORMATION

Exchange students must be aware that there is no guarantee for participation in the courses they have chosen in their learning agreement prior to their arrival. If a course is overbooked (too many students signed up), full degree students have first priority. Courses can also be cancelled with very short notice (e.g. not enough students signed up for the course or no instructor available).

Fall-Winter Semester S9 is not compatible with Fall Semester S7 and Spring Semester S8. This semester can be combined with a Master Thesis (between 4 and 6 months, starting from April).

2ND YEAR ENGINEERING PROGRAM

2ND YEAR FALL SEMESTER S7

You have a lot of choices. Educational activities are a blend of standard courses, elective courses, projects and soft-skill development course units. Check Centrale Marseille website for up-to-date information, especially about the list of elective courses.

2ND YEAR SPRING SEMESTER S8

You must select a track (21 ECTS) within which you select courses.

- + Bioengineering*: multidisciplinary with a strong focus on engineering related to medicine and biology
- + Dynamics, Mutation and Crises: focus on economics and applied mathematics
- + Sustainable Energy: broad scope of disciplines related to energy
- + Environment*: Management and Technology: environmental engineering
- + Information Science and Digital Society: from hardware to software and up-to-date computer science.

In order to validate 30 ECTS, you need to add the following course units: foreign language course (3 ECTS) and summer research/work placement (6 ECTS).

Semester	Approx. Start	Approx. End	Recommended study level
Fall Semester S7	1 st September	31 st January	End of undergraduate program (Bachelor) or beginning of graduate program (Master)
Spring Semester without internship S8	1 st February	31 st May	
Spring Semester with internship S8	1 st February	not before 31 st July	
Fall-Winter Semester S9	1 st September	31 st March	Graduate program only (Master)

* Track in English. Everything else in French.

3RD YEAR ENGINEERING PROGRAM

3RD YEAR FALL-WINTER SEMESTER S9

You can choose courses among a broad list. You can even blend courses from Centrale Marseille graduate engineering program and Masters. Students are strongly recommended to visit Centrale Marseille website for exchange students and to get in touch with the International Relations Office to check course compatibility and availability.

EDUCATIONAL OFFER

SCIENTIFIC OPTIONS (17 ECTS, INCLUDING A 5 ECTS PROJECT)

- + MMEFI: Mathematics, Management, Economics and Finance (courses in Master AMSE available)
- + GREEN: Chemistry and Process Engineering (Master compatibility tba)
- + MECA: Mechanics with a very large choice of specialized topics such as fluid mechanics, solid mechanics, acoustics, mechanics related to sea-structures (courses in Master in Mechanics available)
- + DIGITAL.e: Computer Science, Data Science, Applied Mathematics (courses in Master Computer Science or in Master Applied Mathematics and Statistics available)
- + PICSEL: Signal Processing, Electronics, Images, Optics and Photonics (courses in Master Image and Signal Processing or Master Physics available)

PROFESSIONAL TRACKS (6 ECTS)

- + PRL: Production and Logistics
- + R&D: Research and Development
- + CBE: Design and Technical Department
- + ENT: Entrepreneurship
- + AUC: Audit and Consulting
- + MO: Operational Management (strongly restricted access)

COMMON CORE IN MANAGEMENT (4 ECTS)

FOREIGN LANGUAGE COURSE UNIT (3 ECTS)

MASTER COURSES

You can also attend 2nd year courses in one of the following Master programs:

- + AMSE: quantitative economics (track Finance and Insurance)
- + Mathematics and its Applications (track PDE-Scientific Computing-Probability-Statistics)
- + Applied Mathematics and Statistics (track Data Science)
- + Computer Science (track Artificial Intelligence and Machine Learning)
- + Mechanics (track Aeronautics and Transport or track Fluids and Solids: Multiphysics Modeling and Applications* or track Waves*, Acoustics, Vibrations, Engineering and Sound)
- + Chemistry (available tracks tba)
- + Physics* (track Europhotonics)
- + Signal Processing and Images (track Interactions Physics-Signal-Image)



DOUBLE DEGREE: THE LIFE-CHANGING EXPERIENCE!

You will spend two years in Centrale Marseille graduate engineering program leading to the national Master Degree in Engineering (in French: Diplôme d'Ingénieur, CTI & EUR-ACE accredited)

BENEFITS OF THE DOUBLE DEGREE

You become a bicultural engineer in general and specialized engineering and get 2 degrees at the end of your study. This profile is highly valued by companies looking for international engineers with managing and technical skills.

During the 2 years at Centrale Marseille, you discover a broad range of experiences. You learn a lot from the academic point of view but also from the human point of view (soft-skill development, involvement in student clubs, work and research placements, discovery of France and Europe, French language proficiency).

THE STANDARD SCHEME

- + Between 2 and 3 years at your home university at undergraduate level
- + Year 1 and Year 2 in Centrale Marseille graduate engineering program
- + Between 1 and 2 years at home university at graduate level

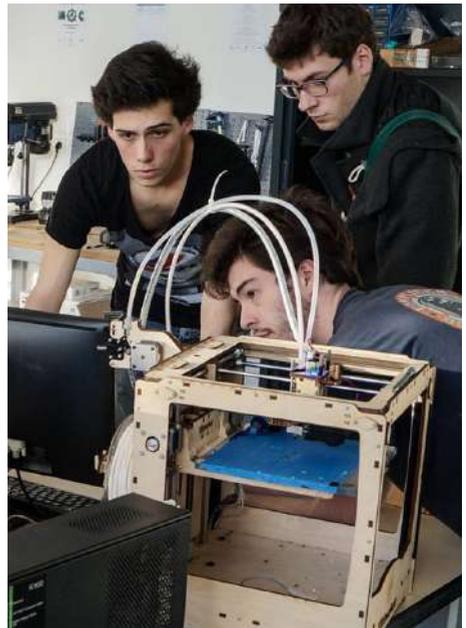
ALTERNATIVE SCHEME (RESERVED TO SOME PARTNERS)

- + Between 3,5 and 4 years at your home university at undergraduate-graduate level
- + 2 years in Centrale Marseille graduate engineering program (including the final year)
- + No return to your home university or for a short period only

In all cases, you must check the schemes offered by your home university.

HOW TO PREPARE YOUR MOBILITY PROJECT:

- + Check that your home university has a Double Degree agreement with Centrale Marseille (if your university belongs to one of the following networks: T.I.M.E., Maghalães, R.M.E.I., then the probability is high that a Double Degree agreement exists.
- + Discuss with faculties and administrative staff but also with Double Degree alumni/students at your home university, friends and family members to gather information and check that the Double Degree program suits your professional career project and is financially sustainable.
- + Check the application process (requirements in academic level, French language proficiency, application deadlines, visa, scholarships).



CENTRALE MARSEILLE

Centrale Marseille is a prestigious graduate school of engineering also called "Grande Ecole d'Ingénieurs" in French and is one of the five Ecoles centrale in France (CentraleSupélec, Ecole centrale de Lyon, Ecole centrale de Nantes and Ecole centrale de Lille).

Its main mission is to train top-rank generalist engineers

- + with a strong scientific background in a wide range of disciplines,
- + with an international perspective and highly developed managerial and entrepreneurial skills or technical expertise,
- + with skills to manage multidisciplinary teams and to anticipate and adapt to technological and environmental change.

Centrale Marseille also offers graduate and postgraduate education. It benefits from an exceptional research environment thanks to its collaboration with Aix-Marseille Université and its involvement in the French "Initiative d'Excellence AMIDEX".

STUDENT LIFE AT CENTRALE MARSEILLE

Student clubs are part of the student experience: International Students, Engineers without Borders, Sports & Sailing, Arts, Fablab Marseille, Ginfo (computer), E-Gab (robotics) among others.

INTRODUCTION WEEK AT CENTRALE MARSEILLE

Intensive French language courses, social events and help to settle down, offered twice a year (August for students starting in September and January for students starting in February). Students can validate ECTS credits for the intensive French language course.

MARSEILLE AND ITS SURROUNDINGS

- + 300 sunny days per year,
- + 2nd largest city in France (870 000 inhabitants), next to Parc National des Calanques
- + Beautiful region Provence-Alpes-Côte d'Azur with cities such as Arles, Aix-en-Provence, Avignon and Nice
- + Marseille-Marignane Airport, 3rd largest French airport serving more than 25 countries,
- + High-speed train destinations from Marseille: Lyon (1h30), Paris (3h), Barcelona (5h), Madrid, Frankfurt, Brussels among others.

24% International students



École centrale de Marseille
Relations internationales
international@centrale-marseille.fr

CONTACTS

International Mobility Office

international@centrale-marseille.fr
<http://international.centrale-marseille.fr>

Check Centrale Marseille website for latest information and details about programs. Students are strongly advised to contact the International Mobility Office to discuss available courses and programs prior to application as these may vary depending on their situation (exchange students, double degree students).

École centrale de Marseille

Pôle de l'Étoile
Technopôle de Château-Gombert
38, rue Frédéric Joliot-Curie
13451 Marseille cedex 13
www.centrale-marseille.fr



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