



"Alternance Recherche" at ECM

The alternating research training course at Centrale Méditerranée is for students who are passionate about sciences and want to discover the world of research through progressive learning, backed by their Centralien engineering curriculum.

Students can enrich their training with research by sharing, during 3 or 4 semesters, their time between Centrale Méditerranée and one of its laboratories (about 4 weeks a semester of research experience for semester 5, 6 and 7; and 9 weeks during semester 8). The student will be considered as a regular engineering student of Centrale Méditerranée.

As part of the alternating research training, the student will be supervised by a scientific tutor in the laboratory keeping in touch with the head of alternating research at the ECM.

As part of the project, the student discovers, then acquires an expertise in a scientific research theme, develops know-how in experimental techniques, theoretical approaches or numerical simulation, written and oral communication skills, teamwork, conducting a research project ... and validating the associated credits (ECTS).



The theoretical teaching modules are common or similar to those of a classical ECM course. Therefore, the awarded degree is the same as for the Centrale Méditerranée engineering curriculum.





AUTHORIZATION of the HOME UNIVERSITY

FOR ALTERNATING TRAINING RESEARCH-STUDY

DURING SEMESTER 5, 6 AND 7; FOR INCOMING DOUBLE DEGREE STUDENTS

Home institution:	
First name, Name of the student:	•••

Model Alternation Research-Study Course during Semester 5:

Semestre 5	Crédits ECTS
Mecanics	4
Physics	4
Computer Sciences	4
Economics – Business Management	4
International Languages and Cultures	2
Sports and artistic activities	1
Innovation Project	5
Skills in alternating research training	6
Total	30

Model Alternation Research-Study Course during Semester 6:

Semestre 6	Crédits ECTS
Chemistry – Process engineering	5
Mathematics	5
Waves and Signals	5
International Languages and Cultures	2
Sports and artistic activities	1
Innovation Project	4
Skills in alternating research training	5
First-year internship	3
Total	30



Model Alternation Research-Study Course during Semester 7:

Semestre 7	Crédits ECTS
Advanced in Mathematics, Economics and Computer Sciences	
OR in Chemistry and Chemical Engineering	4
OR in Mechanics-Physics	
Electronics, Power energy systems, Control engineering of linear systems	4
Human and social sciences	3
International Languages and Cultures	2
Sports and artistic activities	1
Thematical Project	4
Elective courses	5
Skills in alternating research training	7
Total	30

Certificate to be completed by the Academic coordinator at the Home University:

I the undersigned,	, Academic Coordinator
at	, certify that I have read the
terms and conditions of Centrale Méditerranée's	Alternating Research-Study Program (modules and
credits) and authorize (First Name, Name of the s	student)
to follow the course during the semester 5 and	6 of the academic year 2023/2024, and during the
semester 7 of the academic year 2024/2025.	

Date:

Signature and stamp