

2nd YEAR OF THE ENGINEERING DEGREE

= Equivalent to a 1st year of Masters degree

All students may follow management and multicultural oriented common courses. In addition to these courses, all students must choose only one option out of four:

- Analytical and Biological Chemistry
- Molecular Chemistry
- Materials
- Processes

The exchange offer corresponds to the second half of the academic year, spring semester (from January to March/June).

A minimum of 12 ECTS (European Credit Transfer and Accumulation System) are required for the learning agreement.

For information on the requirements of each course, please check the syllabus on our website.

Please note that **courses** are **place-limited**.

All courses take place at the Chimie ParisTech-PSL Campus, located at: 11 Rue Pierre et Marie Curie, 75005 Paris

MANAGEMENT AND MULTICULTURAL COURSES

- MH24TC.MRT- Management and human resource management (2 ECTS, teaching language:FR)
- MH24TC.ANG-Scientific and business english (2 ECTS)
- MHXBLV.FLE-French as Foreign Language (FLE) (2 ECTS)
- MH24ES.SI-Five-month internship (~ from April to July) in a laboratory or in a company)(12 ECTS, language: FR or ENG)

OPTION:ANALYTICAL AND	BIOLOGICAL CHEMISTRY	
All courses are eligible for selection. From 1 onwards, with the possibility of attending all courses.	Only one course from the list below can be selected.	
 MH24OP.CBI- Bioinorganic chemistry (1 ECTS,teaching language: ENG) MH24OP.MOM- Molecular Modeling (1 ECTS,teaching language: ENG) 		
 MH24OP.BIA- Modern analytical chemistry for biotechnology and clinical diagnostics (2 ECTS,teaching language: ENG) 	 MH24MO.PRF- Solid Materials: from formulation to service life (1 ECTS,teaching language:ENG) or MH24OP.COM- Organometallic Chemistry (1 ECTS,teaching language: FR) 	
 MH24OP.CHE- Chemistry probes for bioimaging (2 ECTS,teaching language: ENG) 		
 MH24OP.BIC- Basic concepts of cellular biology (2 ECTS,teaching language: ENG) 		
 MH24OP.ABC- Practical Biotechnology-Practical Lab (2 ECTS,teaching language: ENG) 		
OPTION: MOLECULAR CHEMISTRY		
All courses are eligible for selection. From 1 onwards, with the	Only one course from the list below can be selected.	

OPTION: MOLECULAR CHEMISTRY		
All courses are eligible for selection. From 1 onwards, with the possibility of attending all courses.	Only one course from the list below can be selected.	
MH24OP.CBI- Bioinorganic chemistry (1 ECTS,teaching language: ENG)		
 MH24OP.MOM- Molecular Modeling (1 ECTS, teaching language: ENG) 	MH24MO.PRF- Solid Materials : from formulation to service life (1 ECTS,teaching language:ENG)	
 MH24OP.HC- Heteroelements and applied catalysis (2 ECTS,teaching language:ENG) 	 MH24OP.COM- Organometallic Chemistry (1 ECTS,teaching language: FR) 	
 MH24OP.SAR- Asymmetric Synthesis and Retrosynthesis (2 ECTS,teaching language:FR) 		
 MH24OP.MOL- Experimental training in molecular chemistry (4 ECTS,teaching language:FR) 		

OPTION: MATERIALS		
All courses are eligible for selection. From 1 onwards, with the possibility of attending all courses.	Only one course per sub-section can be selected.	
MH24OP.NOR- Inorganic chemistry: from molecules to materials (1 ECTS,teaching language:ENG)		
 MH24OP.PES- Electronic Properties of Solids (2 ECTS,teaching language:ENG) 	MH24OP.MOD- Modeling (1 ECTS,teaching language:ENG) or	
 MH24OP.MM- Surface properties and endurance of materials (2 ECTS,teaching language:ENG) 	MH24MO.BIF -Biointerfaces-At the interface of biomaterials (1 ECTS,teaching language: ENG)	
 MH24OP.ELA- Inorganic materials elaboration (2 ECTS,teaching language: ENG) 		
MH24OP.MAT- Practical work in materials science (2 ECTS,teaching language: ENG)	 MH24OP.COR- Corrosion (Electrochemical Stability of Materials) (1 ECTS,teaching language:ENG) or MH24MO.PRF- Solid Materials: from formulation to service life (1 ECTS,teaching language:ENG) 	
OPTION:PI	ROCESSES	
All courses are eligible for selection. From 1 onwards, with the	Only one course per sub-section can be selected.	

OPTION:PROCESSES		
All courses are eligible for selection. From 1 onwards, with the possibility of attending all courses.	Only one course per sub-section can be selected.	
MH24OP.NOR- Inorganic chemistry: from molecules to materials (1 ECTS,teaching language:ENG)	MH24OP.MOD- Modeling (1 ECTS,teaching language:ENG)	
 MH24OP.SP- Process simulation (2 ECTS,teaching language: FR) 	 MH24MO.BIF -Biointerfaces-At the interface of biomaterials (1 ECTS,teaching language: ENG) 	
 MH24OP.OCP-Optimization and process control (2 ECTS,teaching language: FR) 		
• MH24OP.FLC- Flow chemistry (2 ECTS,teaching language: FR)		
 MH24OP.PRO- Experimental training for flow chemistry (2 ECTS,teaching language: FR) 	MH24OP.COR- Corrosion (Electrochemical Stability of Materials) (1 ECTS,teaching language:ENG) or	
	MH24MO.PRF- Solid Materials : from formulation to service life (1 ECTS,teaching language:ENG)	