



FIRST SEMESTER (SEPT->NOV)

	<i>Coursename</i>	<i>ECTS</i>
GC	Chemical Engineering	2
GC.OPU.2.1	Unit Operations	
GC.SP.2.1	Reaction Eng.	
GC.CR.2.1	Process simulation	
MSR	Metallic materials: Structures and reactivities	2
MSR.MET.2.1	Metallurgy	
MSR.SUR.2.1	Surface	
CMB	Molecular Chemistry and Biochemistry	11
CMB.BIO.2.1	Biochemistry	2
CMB.OC.2.1	Organometallic chemistry and applied catalysis	2
FE.CMB.2.1	Laboratory work	7
POL.2.1	Polymer chemistry	2
RAD.2.1	Radioactivity	1
MCC	Management and Communication	2
MCC.MRH.2.1	Management and Communication	
MCC.DT.2.1	Introduction to work law	
	Thermostatistics and Molecular Modeling	2
TMM.MM.2.1	Thermostatistics	
TMM.T.S.2.1	Molecular Modelisation	
PES	Electronic properties of solids: macro to nano	2
PES.2.1	Electronic structure of solids	
LC	Foreign Languages	2
LC.ANG.2.1	English (compulsory)	
LC.LV2.2.1	French for foreigners or second foreign language	
SL.2.1	Laboratory internship	4

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**SECOND SEMESTER (NOV->MARCH /courses
and MARCH->JULY / trainee)**

	<i>Coursename</i>	<i>ECTS</i>
PI	Mathematics and Computer sciences	2
PI.2.2	Project: computer sciences	
MSR	Structure and reactivity of metallic materials	1
FE.MSR.2.2	Laboratory work	
GC	Chemical Engineering	1
FE.GC.2.2	Laboratory work	
OPT	Optional Courses: choose 3 out of 6:	6
OPT.TMM.2.2	Thermostatistics and Molecular Modeling	
OPT.GC.2.2	Chemical engineering	
OPT.CMA.2.2	Avanced Molecular Chemistry: asymmetric synthesis and retrosynthesis	
OPT.AI.2.2	Inorganic assemblies : from molecules to materials	
OPT.PCA.2.2	Analytic physico-chemistry for bioanalysis and environment	
OPT.MSR.2.2	Metallic materials: Structures and reactivities	
LC-HSC	Languages and Cultures - History of sciences	3
LC.ANG.2.2	English (compulsory)	2
LC.LV2.2.2	French for foreigners or second foreign language	
HSC.2.2	History of sciences	1
SI.2.2	Industrial intership (5 months)	17
PDperson2	Personal development project (optional)	(2)

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