



ParisTech

École nationale supérieure de chimie de Paris

11, rue Pierre et Marie Curie F75231 Paris Cedex 05
www.enscp.fr

SYLLABUS - Master of Engineering in Chemistry "Diplôme d'Ingénieur" (3 years)

GRADUATE STUDIES (year 3/3)

(for students having already validated 3 to 4 years of higher education (240 ECTS))

Academic year 2009-2010

•1st SEMESTER 30 ECTS (SEPT->JAN)

COMMOM CORE (SEPT->JAN / Monday and Friday)		15 ECTS
Scientific Culture		62h
TC CS3.1	Chemistry for energies: realities and perspectives	
TC CS3.2	Risk Management	
TCCS3.3	Module ATHENS	
Human Sciences and Management		147h
SHG SI3	Industrial property Strategic Management and communication Conferences	
SHG MCC3-CEI	Communication Industrial project 1 Occupational integration	
SHG MCC3-MEG	Management and economics	
SHG MCC3-EA	Industrial project 2	
Language and Culture		60h
LC3-AN	English	
SPECIALIZATION : (SEPT->JAN / Tuesday, Wednesday, Thursday)		15 to 30 ECTS
Choose between :		
Or		
MASTER OF SCIENCE (research oriented, Double-degree MENG and MSc) 30 ECTS	CHIMIE PARISTECH ENGINEERING SPECIALIZATION (application oriented, degree awarded: MENG) 15 ECTS	
<ul style="list-style-type: none"> ➤ M.Sc. in Chemistry of Paris <ul style="list-style-type: none"> ✓ Chemical engineering (MIC) ✓ Molecular chemistry (MCM) ✓ Material science (MCPM) ✓ Analytical chemistry (MCAPT) ➤ M.Sc. in Nuclear Engineering / Fuel cycle (MNE) (taught in ENGLISH) ➤ M.Sc. for Structures and Energy (MSE) ➤ M.Sc. in Physics and Applications – Material science and nano-objects (SMNO) 	<ul style="list-style-type: none"> ➤ SEPT->NOV SPECIALITY (1 out of 4, 8 weeks, 80 h) 8 ECTS <ul style="list-style-type: none"> ✓ RENEWABLE ENERGY ✓ MATERIALS ✓ PROCESS ENGINEERING ✓ MOLECULAR CHEMISTRY ➤ NOV->JAN OPTION (1 out of 6, 7 weeks, 80 h) 7 ECTS <ul style="list-style-type: none"> ✓ Future energy mix ✓ Materials for a sustainable development ✓ Materials and health ✓ Industrial chemical process safety ✓ Nature and beauty ✓ Chemistry for the living 	

•2nd SEMESTER (FEB->JUNE) 30 ECTS

Scientific research project in a laboratory or in industry, minimum of 5 months