

Double Degree curriculum for MCI students

Modules / Courses	ECTS-Credits / Semester				
SEMESTER 1 AT MCI	1	2	3	4	5
Process Control	2				
Reaction Engineering	3				
Heat and Mass Transfer	4				
Matlab in Engineering	1				
Revision Course in Process Technology	10				
Regulations and Standards in Process Engineering	1				
Legal Aspects of Engineering	1				
Business Economics	3				
Electives: (Chemical Engineering; Energy Engineering; Plant Engineering & Operations; Environmental Engineering)	5				
SEMESTER 2 AT MCI	1	2	3	4	
Academic Writing		1			
Design of Experiments		2			
Ethics		1			
Literature Seminar		1			
Conceptual Process Design & Simulation		4			
Plantwide Control		3			
Apparatus Engineering		3			
Solid Process Engineering – Particle Technology		3			
Advanced Thermal Process Technology		2			
Electives: (Chemical Engineering; Energy Engineering; Plant Engineering & Operations; Environmental Engineering)		10			
SEMESTER 3 AT UNIVERSITÀ DI GENOVA	1	2	3	4	
Models and Methods for Energy Engineering			6		
Energy and Buildings			6		
Fuel Cells and Distributed Generation Systems			6		
Solar and Geothermal Energy			6		
1 elective course at UNIGE			6		
SEMESTER 4 AT UNIVERSITÀ DI GENOVA	1	2	3	4	
Hydro, Wind and Micro-gas Turbines				6	
Energy Laboratory				6	
Power Systems Modeling and Control				6	
Power Systems Management				6	
1 elective course at UNIGE				6	
SEMESTER 5 AT MCI OR UNIVERSITÀ DI GENOVA	1	2	3	4	
Master's Seminar					5
Jointly Supervised Master's Thesis					25
Master's Examination					-
ELECTIVE COURSES AT UNIVERSITÀ DI GENOVA	1	2	3	4	
Remote Sensing			6		
Project Management			6		
Advanced Propulsion Systems for low Environmental Impact				6	
Power Systems Simulation and Optimization				6	