



Double itinerary MChemE-MEERE

1st Semester MChemE		30		2nd Semester MChemE		30	
Advanced Transport Phenomena	6	Reactor Engineering	6				
Advanced Thermodynamics and Molecular Simulation	6	Advanced Separation Processes	6				
Product and Process Design I	4,5	Product and Process Design II	4,5				
Industrial Leadership*	3	Advanced Control	3				
Management and Administration of Companies*	4,5	Change Management*	3				
Materials and Nanostructures	3	Auditing and Industrial Certification	4,5				
Polymers	3	Biomateriales	3				
		Emerging Energy Technologies*	3				
		Nanobiotechnology	4,5				
		Multidisciplinary seminars	3				

*MChemE subjects that can be recognized in MEERE (up to 9 ECTS)

Elective subjects, up to 3 subjects (9 ECTS) need to be selected

3rd Semester MEERE		30		4th Semester MEERE		30	
Environmental and Energy Management	3	Environmental and Energy Economics	3				
Environmental and Energy Legislation	3	Thermal and Hydraulic Machines	4,5				
Sustainability Tools	4,5	Energy Efficiency in Buildings	4,5				
Renewable Energy Technologies	4,5	Advanced Water Treatment	4,5				
Energy Efficiency in Industry and Transport	4,5	Air Pollution	4,5				
Waste Management and Valorisation	4,5	Eco-efficient Process Design (II)	3				
Eco-efficient Process Design (I)	3	<i>2 elective subjects recognized from MChemE (*)</i>	6				
<i>1 elective subject recognized from MChemE (*)</i>	3						

5th Semester MChemE+MEERE		48	
Work Placement (MChemE)	15		
Master's Thesis (MChemE)	15		
Master's Thesis (MChemE)	18		
<i>Work Placement (MEERE)*</i>	<i>12</i>		
<i>*Will be recognized with WP (MChemE)</i>			