



UNIVERSITAT ROVIRA i VIRGILI  
Escola Tècnica Superior  
d'Enginyeria Química

## Dual Master's degree in Chemical Engineering and in Environmental Engineering and Sustainable Energy

1st Semester MChemE		33	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
Business Management and Administration*		4,5	Auditing and Industrial Certification		4,5
Sustainability Tools		3	Change Mangement*		3
Waste Management and Valorisation		3	Advanced Water Treatment		3
Air Pollution		3			

\*MChemE subjects that can be recognized as electives in MEESE (maximum of 9 ECTS)

The 4 subjects of Speciality in Environmental Management are entirely recognized in 3rd and 4th MEESE semesters

3rd Semester MEESE		30	4th Semester MEESE		24
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>1 elective subject can be recognized from MChemE subjects with *</i>		3	<i>2 elective subjects can be recognized from MChemE subjects with *</i>		6

The 4 subjects of MChemE Speciality in Environmental Management are entirely recognized in MEESE

5th Semester MChemE+MEESE		45
Work Placement (MChemE)		12
Master's Thesis (MChemE)		15
Master's Thesis (MEESE)		18
<i>Work Placement (MEESE)*</i>		<i>12</i>
<i>*Will be carried out and recognized together with Work Placement from MChemE</i>		

- Master's degree in Chemical Engineering (MChemE)
- Master's degree in Environmental Engineering and Sustainable Energy (MEESE)