



Spain

University of Barcelona (UB)

UNIVERSITAT DE
BARCELONA

	MODULE	SUBJECT	ECTS
Mandatory 35 ECTS	Md-1a	Mathematical Foundations of Quantum Mechanics	5
	Md-3	Methods of Theoretical Chemistry I	5
	Md-5	Methods of Theoretical Chemistry II	5
	Md-2	Computational Techniques and Numerical Calculation	5
	Md-1a	Symmetry in Atoms, Molecules and Solids	5
	Md-3 (3) Md-5 (2)	Statistical Mechanics and Applications on Simulation	5
	Md-4	European Language	5
Electives 25 ECTS	Md-2	Linux and Linux System Managing	5
	Md-7	Lasers	5
	Md-7	<i>Excited States</i>	5
	Md-8	<i>Solid State</i>	5
	Md-6	<i>Dynamic of Chemical Reactions</i>	5
	Md-5	Deepening of Methods of Theoretical Chemistry	5
	Md-9	<i>Computational Biochemistry</i>	5
	Md-2 (1) Md-6 to Md-9(1)	<i>Applied Theoretical Chemistry Laboratory</i>	5

Master Studies in
**Theoretical Chemistry and
Computational Modelling**