

## Block view of the study programme

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### Block 1

#### General courses

CHIM9227-1	<i>Quantum Chemistry</i> (english language) - Françoise REMACLE	Q1	30	10	-	4
PHYS3003-1	<i>Functional Materials : theory and modeling</i> (english language) - Philippe GHOSEZ	Q1	20	10	-	4
CHIM9228-1	<i>Macromolecular Chemistry</i> (english language) - Christine JÉRÔME	Q1	20	15	-	4
CHIM9256-1	<i>Advanced solid state chemistry</i> - Bénédicte VERTRUYEN	Q1	30	-	-	4
CHIM9230-1	<i>Nanomaterials, (electro)synthesis and applications</i> (english language) - Christophe DETREMBLEUR, Christine JÉRÔME	Q1	30	-	-	4
SMEM0040-1	<i>Research master thesis</i> - COLLÉGIALITÉ, N...	TA	-	-	-	15
STRA0019-1	<i>Research master thesis (complements)</i> - COLLÉGIALITÉ, N...	TA	-	-	-	15

#### Specialised courses, including tutorial and practice

Courses totaling 10 credits have to be chosen among :

PHYS3014-1	<i>Physics and chemistry of materials : complements</i> - COLLÉGIALITÉ	Q1	20	-	-	2
PHYS3004-1	<i>Nanomaterials : theory and modeling</i> (english language) - JeanYves RATY	Q1	20	10	-	4
PHYS3015-1	<i>Electronic and vibrational spectroscopies</i> - Matthieu VERSTRAETE	Q1	20	10	-	4
CHIM9231-1	<i>Characterization of Biomaterials</i> (english language) - Edwin DE PAUW, MarieClaire GILLET	Q1	15	15	-	4
CHIM9232-1	<i>Biohybrids: theory and modeling</i> (english language) - Françoise REMACLE	Q1	30	-	-	4
CHIM9233-1	<i>Molecular logic</i> (english language) - Françoise REMACLE	Q1	15	-	-	2
CHIM9234-1	<i>Polymers and environment</i> - Philippe LECOMTE	Q1	15	-	-	2
CHIM9257-1	<i>Introduction to solid state NMR</i> - Christian DAMBLON, Philippe LECOMTE, Bénédicte VERTRUYEN	Q1	15	-	-	2
CHIM9266-1	<i>Characterization of nanostructures by scanning probe techniques</i> (english language) - AnneSophie DUWEZ	Q1	15	-	-	2
PHYS3016-1	<i>Physical characterization of materials and interfaces</i> (english language) - Ngoc Duy NGUYEN	Q1	15	15	-	4
PHYS0096-1	<i>Physics of superconductors</i> (english language) - Alejandro SILHANEK	Q1	30	-	-	4
PHYS3023-1	<i>Theory of magnetism</i> (english language) - Eric BOUSQUET	Q1	20	10	-	4

### Block 2

#### General courses