

Block view of the study programme

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Block 1

General courses

SMEM0040-1	Research master thesis - COLLÉGIALITÉ	TA	-	-	-	24
PHYS3132-1	Intellectual property and open innovation in materials science (english language) - Elodie NAVEAU	Q1	10	5	-	2
STRA0048-1	Innovation project in advanced materials science (english language) - COLLÉGIALITÉ - [30h Proj.]	Q1	5	-	[+]	4

Focus courses

CHIM9227-1	Quantum Chemistry (english language) - Françoise REMACLE	Q1	30	10	-	4
PHYS3003-1	Physics of functional oxides (english language) - Philippe GHOSEZ	Q1	20	10	-	4
CHIM9228-1	Macromolecular Chemistry (english language) - Christine JÉRÔME	Q1	20	15	-	4
CHIM9256-1	Inorganic materials and chemistry (english language) - Nicolas SOMERS, Bénédicte VERTRUYEN - [15h Proj.]	Q1	15	-	[+]	4
CHIM9230-1	Physical chemistry of nanostructures and single molecules (english language) - AnneSophie DUWEZ, Damien SLUYSMANS	Q1	25	-	-	4

Specialised courses, including tutorial and practice

Courses totaling 10 credits have to be chosen among :

PHYS3014-1	Physics and chemistry of materials: complements (english language) - COLLÉGIALITÉ - [15h Proj.]	Q1	5	-	[+]	2
PHYS3004-1	Physics of nanomaterials (english language) - N...	Q2	20	10	-	4
CHIM0725-2	Modelling molecules and extended systems (english language) - Françoise REMACLE	Q2	15	-	-	2
CHIM9233-1	Molecular logic and quantum computing (english language) - Françoise REMACLE	Q2	15	-	-	2
CHIM9234-1	Polymers and environment, Part A (english language) - Philippe LECOMTE	Q1	15	-	-	2
CHIM9257-1	Introduction to solid state NMR, Part A (english language) - Christian DAMBLON, Philippe LECOMTE	Q1	15	-	-	2
CHIM0752-1	Single-molecule approaches in biology and chemistry (english language) - Damien SLUYSMANS	Q1	25	-	-	4
PHYS0981-1	Quantum modelling of materials properties (english language) - Philippe GHOSEZ	Q1	20	10	-	4
PHYS3023-1	Physics of magnetic materials (english language) - Eric BOUSQUET	Q2	20	10	-	4
PHYS3037-1	Nanofabrication : principles and techniques (english language) - Ngoc Duy NGUYEN, Alejandro SILHANEK	Q2	25	20	-	5
PHYS0987-1	Physics of materials for energy (english language) - Ngoc Duy NGUYEN - [15h Proj.]	Q1	20	-	[+]	4
PHYS0988-1	Intrinsic and induced topological properties of matter (english language) - Bertrand DUPÉ	Q2	20	10	-	4
PHYS3140-1	Magnetism and superconductivity (english language) - Bertrand DUPÉ	Q1	20	10	-	4