

Master AMIS : Advanced Materials for Innovation and Sustainability

General courses

SMEM0040-1	<i>Research master thesis</i> - COLLEGIALITE, Ngoc Duy NGUYEN.....	TA	-	-	-	24
PHYS3132-1	<i>Intellectual property and open innovation in materials science</i> (anglais) - Elodie NAVEAU	Q1	10	5	-	2
STRA0048-?	<i>Innovation project in advanced materials science</i> (anglais) - COLLEGIALITE, Ngoc Duy NGUYEN - [30h Proj.].....	Q1	5	-	[+]	4

Specialised courses, including tutorial and practice

Research focus

CHIM9227-1	<i>Quantum chemistry</i> (anglais) - Françoise REMACLE	Q1	30	10	-	4
PHYS3003-1	<i>Physics of functional oxides</i> (anglais) – Philippe GHOSEZ	Q1	20	10	-	4
CHIM9228-1	<i>Macromolecular chemistry</i> (anglais) – Christine JÉRÔME.....	Q1	20	15	-	4
CHIM9256-1	<i>Advanced solid state chemistry</i> (anglais) - Bénédicte VERTRUYEN.	Q1	30	-	-	4
CHIM9230-1	<i>Nanomaterials : synthesis, properties and applications</i> (anglais) - Anne-Sophie DUWEZ, Christine JÉRÔME, Damien SLUYSMANS	Q1	25	-	-	4

Courses totaling 10 credits have to be chosen among:

PHYS3014-?	<i>Physics and chemistry of materials: complements</i> (anglais) – COLLEGIALITE, Ngoc Duy NGUYEN - [15h Proj.].....	Q1	5	-	[+]	2
PHYS3004-1	<i>Physics of nanomaterials</i> (anglais) - Jean-Yves RATY	Q2	20	10	-	4
CHIM0725-?	<i>Modelling molecules and extended systems</i> (anglais) - Françoise REMACLE	Q1	15	-	-	2
CHIM9233-?	<i>Molecular logic and quantum computing</i> (anglais) - Françoise REMACLE.....	Q2	15	-	-	2
CHIM9234-1	<i>Polymers and environment, Partim A</i> (anglais) – Philippe LECOMTE	Q1	15	-	-	2
CHIM9257-1	<i>Introduction to solid state NMR, Partim A</i> (anglais) - Christian DAMBLON, Philippe LECOMTE.....	Q1	15	-	-	2
CHIM9266-1	<i>Characterization of nanostructures by scanning probe techniques</i> (anglais) – Anne-Sophie DUWEZ, Damien SLUYSMANS	Q1	15	-	-	2
PHYS0981-1	<i>Quantum modeling of materials properties</i> (anglais) – Philippe GHOSEZ.....	Q1	20	10	-	4
PHYS3023-1	<i>Physics of magnetic materials</i> (anglais) - Eric BOUSQUET	Q2	20	10	-	4
PHYS3037-1	<i>Nanofabrication : principles and techniques</i> (anglais) – Ngoc Duy NGUYEN, Alejandro SILHANEK.....	Q2	25	15	-	4
PHYS0987-?	<i>Physics of materials for energy</i> (anglais) - Ngoc Duy NGUYEN - [15h Proj.].....	Q1	20	-	[+]	4
PHYS0988-1	<i>Intrinsic and induced topological properties of matter</i> (anglais) – Bertrand DUPÉ	Q2	20	10	-	4