

Master AMIS : Advanced Materials for Innovation and Sustainability

General courses

SMEM0040-1	Research master thesis - COLLEGIALITE, Ngoc Duy NGUYEN.....	TA	-	-	-	24
PHYS3132-1	Intellectual property and open innovation in materials science (anglais) - Elodie NAVEAU	Q1	10	5	-	2
STRA0048-1	Innovation project in advanced materials science (anglais) - COLLEGIALITE, Ngoc Duy NGUYEN	Q1	5	30	-	4

Specialised courses, including tutorial and practice

Research focus

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

Courses totaling 10 credits have to be chosen among :

PHYS3014-1	Physics and chemistry of materials: complements (anglais) – COLLEGIALITE, Ngoc Duy NGUYEN	Q1	20	-	-	2
PHYS3004-1	Physics of nanomaterials (anglais) - Jean-Yves RATY	Q1	20	10	-	4
PHYS0980-1	Spectroscopy of materials (anglais) – Matthieu VERSTRAETE.....	Q1	20	10	-	4
CHIM0725-2	Modelling molecules and extended systems, Partim A (anglais) - Bernard LEYH, Françoise REMACLE	Q1	30	-	-	4
CHIM9233-1	Molecular logic (anglais) - Françoise REMACLE	Q2	25	-	-	2
CHIM9234-1	Polymers and environment, Partim A (anglais) – Philippe LECOMTE	Q1	15	-	-	2
CHIM9257-1	Introduction to solid state NMR, Partim A (anglais) - Christian DAMBLON, Philippe LECOMTE.....	Q1	15	-	-	2
CHIM9266-1	Characterization of nanostructures by scanning probe techniques (anglais) – Anne-Sophie DUWEZ	Q1	15	-	-	2
PHYS0981-1	Quantum modeling of materials properties (anglais) – Matthieu VERSTRAETE, Philippe GHOSEZ.....	Q1	20	10	-	4
PHYS0982-1	Physics of semiconductors (anglais) - Ngoc Duy NGUYEN	Q1	15	-	-	2
PHYS3023-1	Physics of magnetic materials (anglais) - Eric BOUSQUET	Q2	20	10	-	4
PHYS3037-1	Nanofabrication : principles and techniques (anglais) – Ngoc Duy NGUYEN, Alejandro SILHANEK.....	Q2	25	15	-	4
PHYS0987-1	Physics of materials for energy (anglais) - Ngoc Duy NGUYEN, Jean-Yves RATY	Q1	30	-	-	4
PHYS0988-1	Intrinsic and induced topological properties of matter (anglais) – Bertrand DUPE	Q2	20	10	-	4