

Cycle view of the study programme

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Coordinating institution : UCL

Admission and registration procedures should be carried out with the referring establishment.

Full link to the programme:

<https://uclouvain.be/prog-2024-nano2mc>

ULiege training offer

Common core courses

NANO0001-1	<i>Seminars on the ethnical and socio-economic aspects of nanotechnology</i>	B1	Q2	15	15	-	3
SMEM0038-1	<i>Final thesis</i> - COLLÉGIALITÉ	B1	TA	-	-	-	27

Fundamental Phenomena

BIOC0724-1	<i>Chemistry of biological macromolecules</i>	B1	Q2	20	-	-	2
ELEN0069-1	<i>Nanoelectronics / Optoelectronics</i> (english language) - Benoît VANDERHEYDEN - [40h Proj.]	B1	Q2	30	-	[+]	5
PHYS3003-1	<i>Physics of functional oxides</i> (english language) - Philippe GHOSEZ	B1	Q1	20	10	-	4
PHYS0988-1	<i>Intrinsic and induced topological properties of matter</i> (english language) - Bertrand DUPÉ	B1	Q2	20	10	-	4

Nanofabrication, nanomanipulation, nanosynthesis

CHIM9230-1	<i>Nanomaterials: synthesis, properties and applications</i> (english language) - AnneSophie DUWEZ, Christine JÉRÔME, Damien SLUYSMANS	B1	Q1	25	-	-	2
SYST0020-1	<i>Introduction to microsystems and microtechnology</i> (english language) - Tristan GILET, JeanMichel REDOUTÉ - [4h Labo., 20h Proj.]	B1	Q2	24	18	[+]	5
CHIM0072-2	<i>Nanomaterials and divided materials engineering</i> - Benoît HEINRICHS, Stéphanie LAMBERT	B1	Q1	15	15	-	3

Characterization

CHIM9266-1	<i>Characterization of nanostructures by scanning probe techniques</i> (english language) - AnneSophie DUWEZ, Damien SLUYSMANS	B1	Q1	15	-	-	2
CHIM9236-2	<i>Microstructure of materials : characterization techniques</i> (Odd years) - Part A - Catherine HENRIST - Part B - Catherine HENRIST	B1	Q2	15 10	- -	- -	2
CHIM9236-1	<i>Microstructure of materials : characterization techniques, Part A</i> - Catherine HENRIST	B1	Q2	15	-	-	2
PHYS3037-1	<i>Nanofabrication : principles and techniques</i> (english language) - Ngoc Duy NGUYEN, Alejandro SILHANEK	B1	Q2	25	15	-	4

Simulations at the nanoscale

PHYS0981-1	<i>Quantum modelling of materials properties</i> (english language) - Philippe GHOSEZ	B1	Q1	20	10	-	4
CHIM0725-2	<i>Modelling molecules and extended systems</i> (english language) - Françoise REMACLE	B1	Q1	15	-	-	2
PHYS3004-1	<i>Physics of nanomaterials</i> (english language) - JeanYves RATY	B1	Q2	20	10	-	4

Optional courses

CHIM9217-1	<i>Application of nanotechnology to develop new medicine</i>	B1	Q2	10	-	-	1
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CHIM9233-1	<i>Molecular logic and quantum computing</i> (english language) - Françoise REMACLE	B1	Q2	15	-	-	2
MECA0008-1	<i>Microfluidics</i> (english language) - Tristan GILET - [16h Labo., 14h Proj.]	B1	Q2	22	8	[+]	5
SBIM2032-1	<i>Omics in biomedicine</i> (english language) - Pascal DE TULLIO, Keith DURKIN, Marianne FILLET, Gabriel MAZZUCHELLI - [10h APP]	B1	Q2	34	-	[+]	5
PHYS0975-1	<i>Introduction to soft matter and complex systems</i> - Nicolas VANDEWALLE	B1	Q1	30	-	-	4
PHYS3023-1	<i>Physics of magnetic materials</i> (english language) - Eric BOUSQUET	B1	Q2	20	10	-	4
CHIM0698-1	<i>Introduction to the Physical Chemistry of Nanomaterials</i> (english language) - Cédric GOMMES	B1	Q2	20	10	-	3
PHYS0987-1	<i>Physics of materials for energy</i> (english language) - Ngoc Duy NGUYEN - [15h Proj.]	B1	Q1	20	-	[+]	4