

LM-PHYSICS				
Tracks (personalized choice of the courses is possible, to be discussed with the coordinator)		Physics of matter and complex systems (theory and experiments)	Quantum science and technologies (theory and experiments)	Fundamental interactions and particle Cosmology (theory and experiments)
Mandatory courses (6 CFU each)	30 CFU	Advanced electromagnetism		
		Advanced Physics laboratory	Advanced Optics laboratory	Laboratory of Astroparticle
		Statistical Physics		
		Solid state physics		
		Theoretical Physics		
Recommended courses (choice of 5 of 7; 6 CFU each course)	30 CFU	Condensed matter physics	Atomic physics	Advanced nuclear and particle physics
		Physics of nanotechnologies	Quantum computation*	Astroparticle physics
		Physics of disordered systems*	Quantum optics	Cosmology*
		Advanced spectroscopy*	Physics of nanotechnologies	General relativity
		Quantum field theory	Quantum information *	Advanced spectroscopy*
		Quantum optics	Experimental nanoscience	Particle Cosmology*
		Experimental nanoscience	Condensed matter physics	Quantum field theory
Free choice - suggested courses (choice of 2 courses; 6 CFU each)	12 CFU	Surface and chemical physics		
		Energy production & storage		
		Machine Learning		
		Artificial intelligence laboratory		
Free choi 2026 and 2027		Introduction to DFT theory: principles and practice		
Stage	6 CFU			
Thesis	42 CFU			

* Courses available every two years: (Physics of Disordered Systems/Advanced Spectroscopy, Quantum comp./Quantum information, Cosmology/Particle Cosmology)