



RECOMMENDED CAREER PLAN

Department of Molecular Sciences and Nanosystems

CM14

ordinamento 2023
regolamento 2024

	Year	Semester	Exam-code	Field code	Subject	Credits	Credits total amount
a.y. 2024-25	1	I	CM1500	CHIM/07	Chemistry for nanotechnology	6	63
			CM1406	ING-IND/22	Fundamentals of nanotechnology	12	
			CM1311	FIS/02	Mathematical Methods for Physics (*)	9	
		II	CM1327	CHIM/02	Microscopy and structural characterization techniques	12	
			CM1304	CHIM/02	Fundamentals of Spectroscopy	6	
			CM1312	CHIM/07	Introduction to Nanosynthesis, Nanomaterials and Oxide-Based Biomaterials	6	
			CM1401	BIO/10	Biomacromolecular Engineering	6	
I-II			One subject from the list (*)	6			
a.y. 2025-26	2	I	CM1335	FIS/03	Condensed Matter Physics	6	57
			CM1313	CHIM/06	Colloids and Interfaces	9	
		I-II			One subject from the list (*)	6	
					Elective courses (**)	12	
					Internship	6	
					Thesis	18	
tot. CFU						120	

PAY ATTENTION: prerequisites

Exams marked with (*) must be passed before the exam indicated below.
The exams taken in the absence of prerequisites will be canceled ex officio

Preparatory exams		Blocked exams	
CM1311	Mathematical Methods for Physics	CM1327	Microscopy and structural characterization techniques
		CM1304	Fundamentals of Spectroscopy
		CM1335	Condensed Matter Physics

(*) 2 subjects to be chosen from the list below

Recomm. year	Semester	Exam-code	Field code	Subject	Credits
1	I	CM1425	BIO/19	Microbiology	6
1	I	CM1424	BIO/11	Short course in Molecular Biology	6
1	II	CM1301	BIO/11	Applications of Nano and Biotechnology	6
1	II	CM1501	CHIM/03	Nanomaterials for energy and environment	6
2	I	CM1314	BIO/10	Nano-biomaterials	6
2	I	CM1302	SECS-S/01	Applied Statistics for Biology and Biotechnology	6
2	I	CM0597	BIO/11	Tissue engineering and drug testing	6
2	II	CM1391	FIS/03	Physics of Soft Matter	6

Elective courses

(**) Among the 12 credits to be chosen by the students, it is possible to add courses available for every Master Degree programme of Ca' Foscari University.