

RECOMMENDED CAREER PLAN
Department of Molecular Sciences and Nanosystems

CM14
outline 2023
regulation 2024

	Recomm. course year	Semester	Code	Educational sector	Course	CFU	Subtot. CFU	
a.a. 2024-25	1	I	CM1500	CHIM/07	Chemistry for nanotechnology	6	57	
			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		
a.a. 2025-26	2	I	CM1335	FIS/03	Condensed Matter Physics	6	51	
			CM1313	CHIM/06	Colloids and Interfaces	9		
						Elective credits		12
						Internship and career guidance		6
						Final degree exam		18
	1	I	CM1425	BIO/19	Microbiology	12	12	
			CM1424	BIO/11	Short course in Molecular Biology			
		II	CM1301	BIO/11	Applications of Nano and Biotechnology			
			CM1501	CHIM/03	Nanomaterials for energy and environment			
	2	I	CM1314	BIO/10	Nano-biomaterials			
			CM1302	SECS-S/01	Applied Statistics for Biology and Biotechnology			
			CM0597	BIO/11	Tissue engineering and drug testing			
		II	CM1391	FIS/03	Physics of Soft Matter			
	12 CFU from the list:							
						Tot. CFU	120	

ATTENTION: Access requirements and i e propedeutic courses

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

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

Elective credits

Students can pick 2 courses from the same programme or from other Ca' Foscari Master's Degree programmes.