



Master's Degree in ENGINEERING PHYSICS

Curriculum Quantum Science and Technology

cohort
a.y. 2024-25

RECOMMENDED CAREER PLAN Department of Molecular Sciences and Nanosystems

CM13
outline 2022
regulation 2024

	Recomm. course year	Semester	Code	Educational sector	Course	CFU	Subtot. CFU
a.y. 2024-25	1	I	CM0599	MAT/08	Numerical Methods	9	60
			CM0608	FIS/03	Statistical Mechanics	6	
			CM0603	FIS/02	Physics of Complex Systems	9	
			CM0600	ING-IND/22	Nanotechnology and nanomaterials	9	
		II	CM0602	ING-INF/01	Advanced Electronics	9	
			CM0604	ING-INF/05	Advanced Computer Science	12	
			CM0605	ING-INF/03	Advanced Network and Communication Systems	6	
a.y. 2025-26	2	I	CM0601	ING-INF/05	Quantum Computation	6	60
			CM0606	FIS/01	Quantum Optics	6	
			CM0607	FIS/03	Modern Condensed Matter Physics	6	
		I-II		Elective credits	12		
				Internship and career guidance	6		
				Final degree exam	24		
						Tot. CFU	120

Elective credits

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

Elective courses recommended for the a.y. 2024/2025

Recomm. course year	Semester	Code	Educational sector	Course	CFU
1	II	CM0649	ING-INF/01	Bioelectronics	6
2	I	CM0647	FIS/01	Superconductivity And Quantum Materials Science	6
2	I	CM0648	FIS/03	Computational Physics	6