



RECOMMENDED CAREER PLAN

Department of Molecular Sciences and Nanosystems

	Recomm. course year	Semester	Code	Educational sector	Course	CFU	Subtot. CFU
a.y. 2025/2026	1	I	CM0600	ING-IND/22	Nanotechnology and nanomaterials	9	60
			CM0603	FIS/02	Physics of Complex Systems	9	
			CM0608	FIS/03	Statistical Mechanics	6	
			CM1505	FIS/01	Systems Thinking in Biology	6	
		II	CM0604	ING-INF/05	Advanced Computer Science	12	
			CM0602	ING-INF/01	Advanced Electronics	9	
			CM0599	MAT/08	Numerical Methods	9	
a.y. 2026/2027	2	I	CM1506	BIO/10	Bioinformatics	6	18
			CM1507	BIO/19	Computational biomolecular design	6	
			CM0617	ING-INF/06	Neuroimaging	6	
						12 elective credits (*)	
				Internship and career guidance	6	30	
				Internship and career guidance / Italian	3		
				Final degree exam	21		
						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. 2025/2026

Recomm. course year	Semester	Code	Educational sector	Course	CFU
1	II	CM0649	ING-INF/01	Bioelectronics	6
		CM0616	CHIM/03	Neurochemistry	6
2	I	CM0648	FIS/03	Computational Physics	6
		CM1508	FIS/01	Optoelectronic devices	6
		CM0647	FIS/01	Superconductivity And Quantum Materials Science	6



RECOMMENDED CAREER PLAN

Department of Molecular Sciences and Nanosystems

	Recomm. course year	Semester	Code	Educational sector	Course	CFU	Subtot. CFU
a.y. 2025/2026	1	I	CM0600	ING-IND/22	Nanotechnology and nanomaterials	9	54
			CM0599	MAT/08	Numerical Methods	9	
			CM0603	FIS/02	Physics of Complex Systems	9	
			CM0608	FIS/03	Statistical Mechanics	6	
		II	CM0604	ING-INF/05	Advanced Computer Science	12	
			CM0602	ING-INF/01	Advanced Electronics	9	
a.y. 2026/2027	2	I	CM0609	FIS/07	Experimental Biophysics (*)	6	24
			CM0610	ING-INF/06	Foundations of information theory and computational neurosciences (*)	12	
			CM0611	BIO/09	Integrative Neurophysiology (*)	6	
						12 CFU elective credits (*)	
				Internship and career guidance	6	30	
				Internship and career guidance / Italian	3		
				Final degree exam	21		
					Tot. CFU	120	

(*) Courses offered exclusively for the path Physics of the Brain will take place at the International School for Advanced Studies (SISSA) in Trieste

(*) 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. 2025/2026

Recomm. course year	Semester	Code	Educational sector	Course	CFU
1	II	CM0649	ING-INF/01	Bioelectronics	6
		CM0616	CHIM/03	Neurochemistry	6
2	I	CM0648	FIS/03	Computational Physics	6
		CM1508	FIS/01	Optoelectronic devices	6
		CM0647	FIS/01	Superconductivity And Quantum Materials Science	6



**Corso di Laurea Magistrale in
ENGINEERING PHYSICS**
Path Physics of Finance and Economics

RECOMMENDED CAREER PLAN

Department of Molecular Sciences and Nanosystems

	Recomm. course year	Semester	Code	Educational sector	Course	CFU	Subtot. CFU
a.y. 2025/2026	1	I	CM0612	SECS-P/05	Econometrics	6	60
			CM0600	ING-IND/22	Nanotechnology and nanomaterials	9	
			CM0603	FIS/02	Physics of Complex Systems	9	
			CM0608	FIS/03	Statistical Mechanics	6	
		II	CM0604	ING-INF/05	Advanced Computer Science	12	
			CM0602	ING-INF/01	Advanced Electronics	9	
			CM0599	MAT/08	Numerical Methods	9	
a.y. 2026/2027	2	I	CM0613	SECS-S/01	Applied Probability	6	18
			CM0614	SECS-S/06	Financial mathematics	6	
		II	CM0615	SECS-P/02	Climate Change and Finance: Metrics to assess risks and opportunities	6	
					12 elective credits (*)		12
					Internship and career guidance	6	30
					Internship and career guidance / Italian	3	
					Final degree exam	21	
						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. 2025/2026

Recomm. course year	Semester	Code	Educational sector	Course	CFU
1	II	CM0649	ING-INF/01	Bioelectronics	6
		CM0616	CHIM/03	Neurochemistry	6
2	I	CM0648	FIS/03	Computational Physics	6
		CM1508	FIS/01	Optoelectronic devices	6
		CM0647	FIS/01	Superconductivity And Quantum Materials Science	6



Master's Degree in ENGINEERING PHYSICS

Path Quantum Materials and Technology

CMR13

RECOMMENDED CAREER PLAN

Department of Molecular Sciences and Nanosystems

outline 2025
regulation 2025

	Recomm. course year	Semester	Code	Educational sector	Course	CFU	Subtot. CFU
a.y. 2025/2026	1	I	CM0600	ING-IND/22	Nanotechnology and nanomaterials	9	60
			CM0603	FIS/02	Physics of Complex Systems	9	
			CM0608	FIS/03	Statistical Mechanics	6	
		II	CM0604	ING-INF/05	Advanced Computer Science	12	
			CM0602	ING-INF/01	Advanced Electronics	9	
			CM0605	ING-INF/03	Advanced Network and Communication Systems	6	
			CM0599	MAT/08	Numerical Methods	9	
a.y. 2026/2027	2	I	CM0607	FIS/03	Modern Condensed Matter Physics	6	18
			CM0601	ING-INF/05	Quantum Computation	6	
			CM0606	FIS/01	Quantum Optics	6	
12 elective credits (*)							12
Internship and career guidance						6	30
Internship and career guidance / Italian						3	
Final degree exam						21	
						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. 2025/2026

Recomm. course year	Semester	Code	Educational sector	Course	CFU
1	II	CM0649	ING-INF/01	Bioelectronics	6
		CM0616	CHIM/03	Neurochemistry	6
2	I	CM0648	FIS/03	Computational Physics	6
		CM1508	FIS/01	Optoelectronic devices	6
		CM0647	FIS/01	Superconductivity And Quantum Materials Science	6