

DIPARTIMENTO DI INGEGNERIA DELL' INNOVAZIONE
Regulations Cycle 2024
2 YEARS MASTER COURSE
MATERIALS ENGINEERING AND NANOTECHNOLOGY
DM 270/04

SSD	Modulo	CFU	Semestre	AF
I ANNO – A.A. 2024/2025				
CHIM/07	CHEMISTRY 2	9	I	CARATTERIZZANTE
ING-IND/24	TRANSPORT PHENOMENA II	6	I	CARATTERIZZANTE
ING-IND/21	PHYSICAL METALLURGY AND METALS PROCESSING	9	I	CARATTERIZZANTE
	TOTAL CREDITS I SEMESTER	24		
FIS/03	PHYSICS OF MATTER – MOD. 1 PHYSICS OF MATTER – MOD. 2	6 6	II	CARATTERIZZANTE
ING-IND/22	SCIENCE, TECHNOLOGY AND SUSTAINABILITY OF POLYMERS	12	II	CARATTERIZZANTE
ING-IND/23	ELECTROCHEMICAL TECHNOLOGIES	9	II	AFFINE
	TOTAL CREDITS II SEMESTER	33		
	TOTAL CREDITS I YEAR	57		
II ANNO – A.A. 2025/2026				
ING-IND/24	HEAT AND MASS TRANSFER PHENOMENA IN COMPOSITES AND POLYMERS (PROPRIETA' DI TRASPORTO DEI MATERIALI)	9	I	CARATTERIZZANTE
	CHOOSE TWO of the following mandatory courses:			
ING-IND/22	SUSTAINABLE MATERIALS FOR STRUCTURAL AND NON-STRUCTURAL APPLICATIONS	6	I	CARATTERIZZANTE
ING-IND/21	METALLIC MATERIALS: PROPERTIES AND APPLICATIONS	6	I	CARATTERIZZANTE
ING-IND/22	COMPOSITE AND NANOCOMPOSITE MATERIALS	6	II	CARATTERIZZANTE
	CURRICULUM MATERIALS FOR SUSTAINABILITY			
CHIM/07	GREEN TECHNOLOGIES AND HYDROGEN FOR ENERGY STORAGE AND PRODUCTION (C.I.) MODULO A	3	I	CARATTERIZZANTE
ING-IND/23	GREEN TECHNOLOGIES AND HYDROGEN FOR ENERGY STORAGE AND PRODUCTION (C.I.) MODULO B	6	I	AFFINE
	CURRICULUM MATERIALS FOR ELECTRONICS			
FIS/03	SEMICONDUCTOR PHYSICS AND TECHNOLOGY	9	I	CARATTERIZZANTE
	TOTALE CFU I SEMESTRE	30		
	CURRICULUM MATERIALS FOR SUSTAINABILITY			
ING-IND/22	SUSTAINABLE CERAMIC MATERIALS	6	II	CARATTERIZZANTE
	CURRICULUM MATERIALS FOR ELECTRONICS			
ING-INF/01	NANOTECHNOLOGIES FOR ELECTRONICS	6	II	AFFINE
	Electives: Students are obliged to choose courses held in the English in a Master degree of the Faculty of Engineering. The choice can't affect single modules belonging to integrated courses. (Gli studenti sono obbligati alla scelta di insegnamenti erogati in lingua inglese e attivati sui Corsi di Laurea Magistrale. La scelta non può interessare singoli moduli appartenenti a corsi integrati).	12		
	TRAINING PERIOD (TIROCINIO)	3		
	FINAL EXAM (TESI)	12		
	TOTAL CREDITS II YEAR	63		
	TOTAL	120		