Allegato LM Functional and Sustainable Materials offerta formativa 2026-2027

FIRST YEAR					
1° semester			**2° semester**		
Insegnamento	**CFU**	**SSD**	**Insegnamento**	**CFU**	**SSD**
Structural Materials -MOD Ceramics & Glasses MOD Sustainable Polymeric Materials and lab	12	CHEM-03/A CHEM-04/A	Statistics and chemometrics for materials science	6	CHEM-01/A
Condensed Matter Physics	5	PHYS-04/A	Condensed Matter Physics	4	PHYS-04/A
Student's choice from menu' 1A*	6-18	1° or 2° semester	Advanced synthesis of sustainable molecular materials & Lab	6	CHEM-05/A
Student's choice from menu' 1B**	0-12	1° or 2° semester			
Student's free choice	0-12	1° or 2° semester			

*Menu' 1 A STUDENT'S CHOICE FROM MENU' 1°A (from menu' 1A 6-18 CFU)					
1° semester			**2° semester**		
Insegnamento	**CFU**	**SSD**	**Insegnamento**	**CFU**	**SSD**
Catalytic technologies for sustainability	6	CHEM-04/A	Materials-by-Design Laboratory	6	CHEM-03/A
Carbon-based nanostructures	6	PHYS-03/A	Molecular functional materials	6	CHEM-02/A
			Chemical sensors based on advanced and sustainable functional materials	6	CHEM-01/A
			Lab of molecular nanotechnology	6	PHYS-03/A

**MENU' 1B STUDENT'S CHOICE FROM MENU' 1°B (from menu' 1B 0-12 CFU)					
1° semester			**2° semester**		
Insegnamento	**CFU**	**SSD**	**Insegnamento**	**CFU**	**SSD**
Geomaterials for sustainability	6	GEOS-01/A			
Plant-based sustainable materials	6	BIOS-02/A			
Materials for additive manufacturing – MOD Metallic materials for additive manufacturing MOD Polymeric materials for additive manufacturing	6	IIND-03/C IMAT-01/A			

SECOND YEAR					
1° semester			**2° semester**		
Insegnamento	**CFU**	**SSD**	**Insegnamento**	**CFU**	**SSD**
Computational materials science and lab	6	CHEM-02/A	Experimental Thesis	29	PROFIN_S
Physical characterization of energy materials	6	PHYS-03/A	Prova finale	3	PROFIN_S
Safety & Job Placement	1				
Student's choice from menu' 2A*	0-12				
Student's choice from menu' 2B*	0-12				
Student's free choice***	12				

***** TOTAL CFUs FOR STUDENT'S FREE CHOICE = 12**

NB: TOTAL CFUs FROM MENUs 1A + 2A = 18

TOTAL CFUs FROM MENUs 1B + 2B = 12

***Menu' 2 A TOTAL CFUs FROM MENUs 1A + 2A = 18**

1° semestre			**2° semestre**		
Insegnamento	**CFU**	**SSD**	**Insegnamento**	**CFU**	**SSD**
Organic sustainable materials and nanomaterials	6	CHEM-05/A			
Materials physics & technology	6	PHYS-03/A			

****Menu' 2 B TOTAL CFUs FROM MENUs 1B + 2B = 12**

1° semestre			**2° semestre**		
Insegnamento	**CFU**	**SSD**	**Insegnamento**	**CFU**	**SSD**
Artificial Intelligence for materials science	6	IINF-05/A			
Applied biotechnologies for sustainable materials	6	BIOS-10/A			