

PAA 7 **MODELLISTICA MATEMATICO-FISICA PER APPLICAZIONI NUCLEARI**
NUC **(Mathematical and physical modeling for nuclear application)**

	n.	CAT	SEM	SSD	COD	INSEGNAMENTO	CFU
ANNO 1	1	OB	1	MAT/05	95958	Real and functional analysis	8
	2	OB	1	ING-INF/05	95959	Algorithms and parallel computing	10
	3	ING	1	ING-IND/18	96044	Fission reactor physics	10
	4	MTM	2	MAT/05	95963	Advanced partial differential equations	8
	5	MA	2	MAT/08	95964	Numerical analysis for partial differential equations	10
	6	MA	2	MAT/08	95965	Advanced programming for scientific computing (10 CFU)	10
			2	MAT/07	97725	Mathematical and physical modeling in engineering (10 CFU)	
	7	SC	2	ING-IND/19	89543	Reliability, safety and risk analysis B (5 CFU)	5
2			FIS/03	89480	Solid state physics A (5 CFU)		
						Totale 1° anno	61

	n.	CAT	SEM	SSD	COD	INSEGNAMENTO	CFU
ANNO 2	8	MA	1	MAT/07+MAT/08	97634	Computational fluid dynamics	10
	9	ING	1	ICAR/01	95962	Fluids labs	10
	10	MTM	1	MAT/07	97660	Methods and models for statistical mechanics	8
	11	SC	1	FIS/03	97670	Plasma physics	8
	12	MTM	1 o 2			<i>a scelta dalla Tabella MTM</i>	8
	13	SC	2	ING-IND/19	89543	Reliability, safety and risk analysis B (5 CFU)	5
			2	FIS/03	89480	Solid state physics A (5 CFU)	
			1 o 2		86304	Prova finale	12
						Totale 2° anno	61