

**PAA 1** **MODELLI COMPUTAZIONALI IN ELETTRONICA E BIOMATEMATICA**  
**ELN** **(Computational models in electronics and biomathematics)**

	n.	CAT	SEM	SSD	COD	INSEGNAMENTO	tot
<b>ANNO YEAR 1</b>	1	OB	1	MAT/05	095958	Real and functional analysis	8
	2	OB	1	ING-INF/05	095959	Algorithms and parallel computing	10
	3	MTM	2	MAT/05	095963	Advanced partial differential equations	8
	4	MA	2	MAT/08	095964	Numerical analysis for partial differential equations	10
	5	MA	2	MAT/08	095965	Advanced programming for scientific computing	10
	6	ING	1	ING-INF/01	085930	Elettronica (10 CFU)	10
			2	ING-INF/01	085999	Elettronica dello stato solido (10 CFU)	
7	MTM	1 o 2			<i>a scelta dalla Tabella / to be chosen from Group MTM</i>	8	
						<b>Tot</b>	<b>64</b>

	n.	CAT	SEM	SSD	COD	INSEGNAMENTO	tot
<b>ANNO YEAR 2</b>	8	MA	1	MAT/07+MAT/08	097634	Computational fluid dynamics	10
	9	ING	1	ING-INF/01	095155	Electron devices (10 CFU)	10
			1	ING-INF/01	095162	MEMS and microsensors (10 CFU)	
	10	SC	2	MAT/08	096659	Computational modeling in electronics and biomathematics	8
	11	MTM	1 o 2			<i>a scelta dalla Tabella / to be chosen from Group MTM</i>	8
	12	SC	1 o 2			<i>a scelta dalla Tabella / to be chosen from Group FREE</i>	8
		1 o 2		097690	Prova finale / Final work	12	
						<b>Tot</b>	<b>56</b>

TABELLE / GROUPS						
	SEM	SSD	COD	COURSE	CFU	Notes
MTM	1	MAT/05	095973	Discrete dynamical models	8	Activation in the a.y. 2018/19 and alternate years after
	1	MAT/05	095974	Game theory	8	
	1	MAT/07	097660	Methods and models for statistical mechanics	8	Activation in the a.y. 2017/18 and alternate years after
	1	MAT/06	095975	Stochastic differential equations	8	
	1	MAT/06	095966	Stochastic dynamical models	8	
	2	MAT/05	095963	Advanced partial differential equations	8	
	2	MAT/07	097661	Biomathematical modeling	8	
	2	MAT/05	097673	Calculus of variations	8	Activation in the a.y. 2017/18 and alternate years after
	2	MAT/08	096659	Computational modeling in electronics and biomathematics	8	
	2	MAT/03	093153	Geometria differenziale	8	Activation in the a.y. 2018/19 and alternate years after
	2	MAT/09	095972	Optimization	8	
FREE	1	ING-INF/03	095978	Audio and video signals	8	
	1	MAT/08+SECS-S/06	097667	Computational finance	8	
	1	MAT/07+MAT/08	052030	Computational fluid dynamics [C.I.]	8	
	1	ING.IND/16	097482	Design and analysis of experiments A	8	
	1	MAT/05	095973	Discrete dynamical models	8	Activation in the a.y. 2018/19 and alternate years after
	1	MAT/05	095974	Game theory	8	
	1	GEO/11	098637	Geophysical data processing	8	
	1	SECS-S/06	095980	Mathematical finance II	8	
	1	ICAR/07+ICAR/08	051676	Meccanica computazionale per i geomateriali	8	
	1	MAT/07	097660	Methods and models for statistical mechanics	8	Activation in the a.y. 2017/18 and alternate years after
	1	MAT/08+SECS-S/01	098516	Numerical and statistical methods in geosciences	10	Mutually incompatible with 95967-Applied statistics (10 cfu) and 95977-Applied statistics (8 cfu)
	1	FIS/03	097670	Plasma physics	8	
	2	MAT/08	095976	Advanced programming for scientific computing	8	
	2	SECS-S/01	095977	Applied statistics	8	
	2	MAT/07	097661	Biomathematical modeling	8	
	2	MAT/05	097673	Calculus of variations	8	Activation in the a.y. 2017/18 and alternate years after

2	MAT/08	096659	Computational modeling in electronics and biomathematics	8
2	ING-INF/05	097676	Economics and computation	6
2	ICAR/09	098512	Engineering seismology	8
2	FIS/01	088933	Fisica quantistica	8
2	MAT/03	093153	Geometria differenziale	8
2	ICAR/01	098513	Groundwater hydraulics	8
2	SECS-S/06	098388	insurance markets	8
2	MAT/09	095972	Optimization	8

Activation in the a.y. 2018/19 and alternate years after