

**PAA
LIFE**

**Models and methods for the life sciences
(Modelli e metodi per le scienze della vita)**

	n.	SEM	SSD	COD	INSEGNAMENTO / COURSE	CFU
ANNO/YEAR 1	1	1	MAT/05	095958	Real and functional analysis	8
	2	1	ING-INF/05	052496	Algorithms and parallel computing	10
	3	1	ING-INF/06	055157	Biomedical signals and image processing	10
			ING-IND/34	055768	Tecnologie per la medicina rigenerativa [C.I.]	
	4	2	MAT/08	052497	Numerical analysis for partial differential equations	10
	5	2	MAT/08	095965	Advanced programming for scientific computing	10
			MAT/07	097725	Mathematical and physical modeling in engineering [C.I.]	
	6	1 o 2			<i>a scelta dalla Tabella / to be chosen from Group MTM or FREE</i>	10
	7	1 o 2			<i>a scelta dalla Tabella / to be chosen from Group ING</i>	5
					Tot	63

	n.	SEM	SSD	COD	INSEGNAMENTO / COURSE	CFU
ANNO/YEAR 2	8	1	MAT/07-MAT/08	052030	Computational fluid dynamics [C.I.]	10
	9	1	ING-IND/34	096236	Mechanics of biological structures	5
			ING-INF/05	054307	Artificial neural networks and deep learning	
	10	2	ING-INF/01	054085	Biochip	5
			ING-IND/31	059445	Computational electromagnetics	
	11	2	MAT/08	052504	Advanced numerical methods for coupled problems with application to living	8
			MAT/08	096659	Computational modeling in electronics and biomathematics	
			MAT/07	097661	Biomathematical modeling	
	12	1 o 2			<i>a scelta dalla Tabella / to be chosen from Group MTM or FREE</i>	8
	13	1 o 2			<i>a scelta dalla Tabella / to be chosen from Group ING</i>	10
				097690	Prova finale / Final work	12
					Tot	58