	Specialisations in the Master Computational Science								
	Semester 1					Semester 2			
Application domain	**block 1**		**block 2**		**block 3**	**block 4**		**block 5**		**block 6**
	September	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**	**June**
Computational Science Core	Advanced Computer Networks (VU)		Information Theory (UvA)			Experimental Design and Data Analysis (VU)				Machine Learning for the Quantified Self (VU
	Machine Learning I (UvA)		The Social Web							
Computational Finance / Economics [*Drona Kandhai*]						Computational Finance (UvA)		Advanced topics in Computational Finance (UvA)		
			Complex Economic Dynamics (UvA)			Stochastic Calculus (UvA)				
Computational Biology [*Jaap Kaandorp*]	Fundamentals of Bioinformatics (VU)		Algorithms in Sequence Analysis (VU)					Bioinformatics II (UvA)		
	Bioinformatics I (UvA)							Bioinformatics for Translational Medicine (VU)		
Computational Biomedicine [Gábor Závodszky]	From Physics to Physiology (VU)					Parameter Estimation Applied to Medical and Biological Sciences (VU)				
Computational Chemistry and Physics [Edan Lerner and Peter Bolhuis]	Fundamental Topics in Statistical Physics 1		Statistical Theory of Complex Molecular Systems (UvA)		Understanding Molecular Simulation			Biomolecular Simulations (UvA)		Advanced Competence Condensed Matter (UvA)
								Fundamental Topics in Statistical Physics 2		
High Performance Computing [*Henri Bal*]	Concurrency and Multithreading (VU) *course is not taught in academic year 2021/2022*		Distributed Systems (VU)							
Computational Earth Sciences [*Willem Bouten*]					Analysis and Modelling Lab (UvA)	GIS/RS Science in Ecosystem Dynamics (UvA)				
	Course choices in consultation with the specialisation coordinator									
Sci. Computing / Numerical Math [*Daan Crommelin*]			Numerical Algorithms (UvA)			Numerical Methods for Stationary PDEs (UvA)				
	Numerical Linear Algebra (UvA)					Scientific Computing (UvA)				
	Uncertainty Quantification (UvA)									
	Course choices in consultation with the specialisation coordinator									
Complex Systems [Rick Quax]			Stochastic Simulation (UvA)		Agent-based Modelling (UvA)	Information Theory (UvA)				Complex System Simulation (UvA)
						Theory of Complex Systems (UvA)				