

Department of Environmental Sciences, Informatics and Statistics
Master's Degree Programme in Computer Science
 Ministerial degree code LM-18 (Computer Science)
Curriculum Software Dependability and Cyber Security
 enrolled A.Y. 2019/20
RECOMMENDED CAREER PLAN

	anno consigliato	semestre	Codice esame	Settore	Insegnamento	CFU	Tot cfu	Note
a.y. 2019-20	1	I	CM0470	INF/01	Advanced algorithms and programming methods - MOD. 1 + MOD. 2	12	54	
		I	CM0469	MAT/09	Calculus and Optimization	6		
		I	CM0474	INF/01	Formal methods for system verification	6		
		I	CM0475	INF/01	Security MOD. 1	6		
		II	CM0480	INF/01	Cryptography	6		
		II	CM0475	INF/01	Security MOD. 2	6		
		II	CM0476	INF/01	Software Correctness, Security, and Reliability	6		
		II	CM0481	INF/01	Software performance and scalability	6		
a.y. 2019-20 / a.y. 2020-21	Complete the study plan with						66	
	choose from 12 to 18 credits among							
	1 or 2	I	CM0524	INF/01	Image and video understanding	18		
		I	CM0190	INF/01	Bioinformatics			
		I	CM0227	INF/01	High Performance Computing			
		I	CM0482	INF/01	Human Computer Interaction and Information Visualization			
		II	CM0526	INF/01	Geometric and 3D Computer Vision			
	choose from 0 to 6 credits among							
	1 or 2	I	CM0520	INF/01	Advanced Data Management	6		
		II	CM0491	INF/01	Artificial Intelligence: Knowledge Representation and Planning			
		II	CM0492	INF/01	Artificial Intelligence: Machine Learning and Pattern Recognition			
		II	CM0468	INF/01	Cloud Computing and Distributed Systems			
		II	CM0473	INF/01	Information Retrieval and Web Search			
	choose 6 credits among							
	1 or 2	I	CM0527	SECS-S/01	Computational Statistics and Simulation	12		
II		CM0525	INF/01	Cryptography foundation				
II		CM0477	SECS-S/01	Statistics for Spatio-Temporal Data				
I		CM0471	SECS-S/01	Statistical Inference and Learning				
I		CM0224	MAT/08	Numerical Algorithms				
2	II	CM0500	SECS-P/05	Networks in Economics and Social Science				
Activities not yet chosen including the Data Management and Analytics curriculum ones								
Activities offered in the University (subject to Teaching committee authorization)								
a.y. 2021-22	2	II	CM0095	NN	Internship	6	Information: https://www.unive.it/pag/19911/	
	2	II	CM0082	PROFIN_S	Final exam	24		
tot. CFU							120	

ATTENTION: elective courses may differ from year to year; students are invited to check the offer annually.

Information are available at page <https://www.unive.it/pag/19976/>