

Department of Environmental Sciences, Informatics and Statistics

Bachelor's Degree Programme in Informatics

Ministerial Degree Code L-31 (Computer Science)

Curriculum Data Science

enrolled A.Y. 2019/20

RECOMMENDED CAREER PLAN

Year	semester	Exam code	Scientific sector	Subject	credits	Tot credits	Notes					
a.y. 2019-20	1	I	CT0435	MAT/02	Algebra lineare	6	60	Strongly suggested for students that have mandatory additional credits (OFA). However, it's open and suggested also to students without OFA that are keen to review basic math principles before starting the courses of the Environmental Sciences curriculum				
		I	CT0005	INF/01	Architettura degli elaboratori - Modulo 1	6						
		I	CT0432	MAT/08	Calcolo 1	6						
		I	CT0441	INF/01	Introduzione alla Programmazione	6						
		I	CT0436	MAT/02	Matematica di base - corso zero	0						
		I	CT0434	MAT/02	Matematica discreta	6						
		I	CLA-B2	L-LIN/12	Ulteriori conoscenze linguistiche (INGLESE B2)	3			Evaluation consists of a judgment of suitability. Information: <a href="https://www.unive.it/pag/16406/">https://www.unive.it/pag/16406/</a>			
		II	CT0005	INF/01	Architettura degli elaboratori - Modulo 2	6						
		II	CT0433	MAT/08	Calcolo 2	6						
		II	CT0414	L-LIN/12	Lingua inglese	3			Evaluation consists of a judgment of suitability			
		II	CT0442	INF/01	Programmazione e Laboratorio	12						
		a.y. 2020-21	2	I	CT0371	INF/01			Algoritmi e strutture dati - modulo 1	6	60	
I	CT0006			INF/01	Basi di dati - modulo 1	6						
I	CT0111			SECS-S/01	Probabilità e statistica	6						
I	CT0372			INF/01	Programmazione a oggetti - modulo 1	6						
I	CT0125			INF/01	Sistemi operativi - modulo 1	6						
II	CT0371			INF/01	Algoritmi e strutture dati - modulo 2	6						
II	CT0427			SECS-S/01	Analisi dei dati	6						
II	CT0006			INF/01	Basi di dati - modulo 2	6						
II	CT0372			INF/01	Programmazione a oggetti - modulo 2	6						
II	CT0125			INF/01	Sistemi operativi - modulo 2	6						
a.y. 2021-22	3			I	CT0429	SECS-S/01	Analisi predittiva	6	60	from Technologies and Information Science curriculum (3° year)		
				I	CT0374	INF/01	Calcolabilità e linguaggi formali	6				
		I	CT0509	INF/01	Data and web mining - 6 CFU	6						
		I	CT0090	INF/01	Ingegneria del software	6						
		I	CT0373	INF/01	Reti di calcolatori	6						
		I	CT0539	INF/01	Sicurezza - 6 CFU	6						
		I	CT0421	INF/01	Simulazione e performance delle reti - 6 CFU							
		I	CT0540	INF/01	Social Network Analysis - 6 CFU							
		II	CT0091	INF/01	Interazione uomo-macchina - 6 CFU							
		II	CT0157	INF/01	Laboratorio di amministrazione di sistema - 6 CFU							
		II	CT0178	INF/01	Linguaggi per la rete - 6 CFU							
		II	CT0171	INF/01	Project management - 6 CFU							
		II	CT0142	INF/01	Tecnologie e applicazioni web - 6 CFU							
					<b>Elective courses: 12 credits to be chosen among</b>			12			from Technologies and Information Science curriculum (3° year)	
		I	CT0066	IUS/01	Diritto dell'Informatica	the course's teachings not chosen before teachings of the Minor of the University excluding Minor "Computer and Data Science" courses available for every Bachelor Degree programme of Ca' Foscari University: in this case the Teaching Committee approval is necessary.						
		I	CT0120	MAT/09	Ricerca operativa							
		I o II										
		I o II	CT0130	NN	Internship							
		II	CT0117	PROFIN_S	Final Exam							
		tot. CFU						180			Evaluation consists of a judgment of suitability. Information: <a href="https://www.unive.it/pag/23247/?L=0">https://www.unive.it/pag/23247/?L=0</a> Information: <a href="https://www.unive.it/pag/23235/?L=0">https://www.unive.it/pag/23235/?L=0</a>	

ATTENTION: the free choice activities (Minor and courses of other University study courses) may differ from year to year; students are invited to check the offer annually. The Teaching committee recommends attending the third year, but it is possible to anticipate them, if offered.