



Università  
Ca' Foscari  
Venezia

## Department of Environmental Sciences, Informatics and Statistics

### Bachelor's Degree Programme in Informatics

Ministerial Degree Code L-31 (Computer Science)

Curriculum Technologies and Information Science

Students enrolled in A.Y. 2020/21

#### RECOMMENDED CAREER PLAN

Year	Semester	Exam code	Scientific sector	Subject	Credits	Tot credits	Notes
A.Y. 2020/21	1	CT0435	MAT/02	Linear Algebra	6	60	
		CT0005	INF/01	Computer Architecture - mod. 1	6		One 12 CFU exam with module 2
		CT0432	MAT/08	Calculus 1	6		
		CT0441	INF/01	Introduction to Programming	6		
		CT0436	MAT/02	Basic Mathematics - introduction course	0		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
	CT0434	MAT/02	Discrete Mathematics	6			
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	CLA-B2	L-LIN/12	English language qualification at B2 level	3	Evaluation consists of a judgment of suitability. Information: <a href="https://www.unive.it/pag/16406/">https://www.unive.it/pag/16406/</a>		
	CT0005	INF/01	Computer Architecture - mod. 2	6	One 12 CFU exam with module 1		
	CT0433	MAT/08	Calculus 2	6			
CT0414	L-LIN/12	English language	3	Evaluation consists of a judgment of suitability.			
CT0442	INF/01	Programming and Laboratory	12				
A.Y. 2021/22	2	CT0371	INF/01	Algorithms And Data Structures – Part 1	6	60	One 12 CFU exam with module 2
		CT0006	INF/01	Database Systems - Part 1	6		One 12 CFU exam with module 2
		CT0111	SECS-S/01	Probability And Statistics	6		
		CT0372	INF/01	Object-Oriented Programming - 1	6		One 12 CFU exam with module 2
		CT0125	INF/01	Operating Systems - Part 1	6		One 12 CFU exam with module 2
		CT0371	INF/01	Algorithms And Data Structures – Part 2	6		One 12 CFU exam with module 1
	CT0006	INF/01	Database Systems - Part 2	6	One 12 CFU exam with module 1		
	CT0091	INF/01	Human-Computer Interaction	6			
	CT0372	INF/01	Object-Oriented Programming - 2	6	One 12 CFU exam with module 1		
	CT0125	INF/01	Operating Systems - Part 2	6	One 12 CFU exam with module 1		
	CT0374	INF/01	Formal Languages And Computability	6			
	CT0090	INF/01	Software Engineering	6			
CT0373	INF/01	Computer Networks	6				
CT0120	MAT/09	Operations Research	6				
A.Y. 2022/23	3	<b>1 course among</b>			6	60	
		CT0066	IUS/01	Information Technology Law - 6 credits			
		CT0582	MAT/08	Numerical Algorithms - 6 credits			
		<b>1 course among</b>					
		CT0178	INF/01	Languages for Web and Networking Applications - 6 credits			
		CT0539	INF/01	Security - 6 credits			
		CT0540	INF/01	Social Network Analysis - 6 credits			
		CT0509	INF/01	Data and web mining - 6 credits			
		CT0611	ING-INF/05	Wireless Networking Fundamentals - 6 credits			
		CT0157	INF/01	System Administration Lab. - 6 credits			
	CT0171	INF/01	Project management - 6 credits				
	CT0142	INF/01	Web Applications And Technologies - 6 credits				
	<b>Elective courses: 12 credits to be chosen among</b>			12			
	- Course's teachings not chosen before						
	I	CT0429	SECS-S/01		Predictive Analytics - 6 credits		from curriculum Data Science (3° year)
	II	CT0427	SECS-S/01		Data Analysis - 6 credits		from curriculum Data Science (3° year)
- 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.							
II	CT0130	NN	Traineeship	6	Evaluation consists of a judgment of suitability.		
	CT0117	PROF. S	Thesis	6	Information: <a href="https://www.unive.it/pag/23247?L=0">https://www.unive.it/pag/23247?L=0</a>		
					tot. credits	180	

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.

### Pre-requirements

Fulfillment of OFAs (Additional Learning Requirements): **OFA in logic – mathematics**

Students cannot take an exam before fulfilling the attributed OFA.

Fulfillment of OFAs (Additional Learning Requirements): **OFA in English Language level B1**

Students that do not fulfil their OFA in English Language level B1 between the exam session in September the year after enrolment, cannot take exams until the attributed OFAs have been fulfilled.

Information are available at page <https://www.unive.it/pag/23192/>