



STUDY PROGRAM A.Y. 2025/2026

Italian Class L-32 R - Sciences and technologies for environment and nature (Italian D.M. 270/04)

UNDERGRADUATE COURSE IN ENVIRONMENTAL SCIENCES AND CIVIL PROTECTION

	DISCIPLINA	Tipologia	SETTORE		CFU	Tot. ore
1st YEAR						
1	Mathematics and statistics	Base	MAT/05		9	72
2	General chemistry	Base	CHIM/03		7	56
3	Organic chemistry	Base	CHIM/06		5	40
4	Physics	Base	FIS/07		8	64
5	Fundamentals of earth sciences	Caratt.	GEO/01		8	64
6	Fundamentals of zoology	Base	BIO/05		6	48
Integrated course: Fundamentals of biology and environmental microbiology						
7	>Fundamentals of biology	Caratt.	BIO/06	6	12	96
	>Environmental microbiology	Caratt.	AGR/16	6		
Elective course: Data management**		D	INF/01		3	24
					Total CFU	58
2nd YEAR (activated A.Y. 2026/2027)						
8	Fundamentals of botany	Caratt.	BIO/01		6	48
9	Geography of hazard, risk and disaster	Caratt.	M-GGR/01		7	56
10	Energy and environment	Aff.	ING-IND/11		7	56
11	Fundamentals of ecology	Caratt.	BIO/07		8	64
Integrated course: Fundamentals of environmental geology						
12	>Cartography	Caratt.	GEO/02	5	10	80
	>Geomorphology and hydrogeology	Caratt.	GEO/04	5		
13	Fundamentals of oceanography, meteorology and climatology	Caratt.	GEO/12		6	48
14	Ecotoxicology	Aff.	BIO/13		6	48
15	Geographic information systems	Caratt.	M-GGR/01	5	6	48
		altro	INF/01	1		
Environmental laws		Altro	IUS/10		3	24
					Total CFU	59
3rd YEAR (activated A.Y. 2027/2028)						
Integrated course: Environmental physical-biological monitoring and lab applications						
16	>Physical and biological monitoring	Aff.	BIO/13	2+2	10	80
	>Biodiversity	Caratt.	BIO/05	3+3		
17	Environmental chemical monitoring and lab applications	Base	CHIM/01		11	88
Integrated course: Environmental recovery						
18	>Applied ecotechnologies	Caratt.	BIO/07	8	12	96
	>Environmental remediation techniques	Aff.	ING-IND/26	4		
Integrated course: Disaster preparedness						
19	>Disaster law	Caratt.	IUS/14	5	12	96
	>Emergency management	Base	GEO/04	7		
Elective courses					9	
Stage		Altre			5	
Final test					4	
					Total CFU	63
20 Elective Courses						
Chemical analysis of pollutants**		D	CHIM/01		3	24
Start-up creation and business plan**		D	ING-IND/26		3	24
Intervention techniques during sanitary emergency		D	MED/41		3	24
Safety at work**		D	MED/44		3	24

* At least 6 CFU must be acquired attending one of the elective courses

** to be inserted in the career of students that didn't submit an individual study plan

> Data management - First year

> Chemical analysis of pollutants - Start-up and business plans - Safety at work - Third year

a) 1 credit = 8 hours. Together with the theoretical lectures, all courses must have at least 1 credit of laboratory session/field activity/project work

b) integrated courses involve various courses with only one final examination