



STUDY PROGRAM A.Y. 2026/2027

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	MATH-03/A		9	72
2	General chemistry	Base	CHEM-03/A		7	56
3	Organic chemistry	Base	CHEM-05/A		5	40
4	Physics	Base	PHYS-06/A		8	64
5	Fundamentals of earth sciences	Caratt.	GEOS-02/A		8	64
6	Fundamentals of zoology	Base	BIOS-03/A		6	48
Integrated course: Fundamentals of biology and environmental microbiology						
7	>Fundamentals of biology	Caratt.	BIOS-04/A	6	12	96
	>Environmental microbiology	Caratt.	AGRI-08/A	6		
	Elective course: Data management **	D	INFO-01/A		3	24
					Total CFU	58
2nd YEAR (activated A.Y. 2027/2028)						
8	Fundamentals of botany	Caratt.	BIOS-01/A		6	48
9	Geography of hazard, risk and disaster	Caratt.	GEOG-01/A		7	56
10	Energy and environment	Aff.	IIND-07/B		7	56
11	Fundamentals of ecology	Caratt.	BIOS-05/A		8	64
Integrated course: Fundamentals of environmental geology						
12	>Cartography	Caratt.	GEOS-02/B	5	10	80
	>Geomorphology and hydrogeology	Caratt.	GEOS-03/A	5		
13	Fundamentals of oceanography, meteorology and climatology	Caratt.	GEOS-04/C		6	48
14	Ecotoxicology	Aff.	BIOS-10/A		6	48
15	Geographic information systems	Caratt.	GEOG-01/A	5	6	48
		altro	INFO-01/A	1		
	Environmental laws	Altro	GIUR-06/A		3	24
	Stage	Altre			5	
					Total CFU	64
3rd YEAR (activated A.Y. 2028/2029)						
Integrated course: Environmental physical-biological monitoring and lab applications						
16	>Physical and biological monitoring	Aff.	BIOS-10/A	2+2	10	80
	>Biodiversity	Caratt.	BIOS-03/A	3+3		
17	Environmental chemical monitoring and lab applications	Base	CHEM-01/A		11	88
Integrated course: Environmental recovery						
18	>Applied ecotechnologies	Caratt.	BIOS-05/A	8	12	96
	>Environmental remediation techniques	Aff.	ICHI-01/C	4		
Integrated course: Disaster preparedness						
19	>Disaster law	Caratt.	GIUR-10/A	5	12	96
	>Emergency management	Base	GEOS-03/A	7		
	Elective courses*				9	
	Final test				4	
					Total CFU	58
20	Elective Courses					
	Chemical analysis of pollutants **	D	CHEM-01/A		3	24
	Start-up creation and business plan **	D	ICHI-01/C		3	24
	Past4Future - Conservation paleobiology: Using Fossils to Monitor Modern Ecosystem **	D	GEOS-02/A		3	24

* Students must select and include in their study plan the elective courses during the academic year they are actually offered.

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

** Statutory course, automatically assigned if the student does not submit a study plan, and modifiable by the student according to the rules and procedures established for study plan changes

> Data management - First year

> Chemical analysis of pollutants - Start-up and business plans - Past4Future - 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