



BACHELOR'S DEGREE IN ENVIRONMENTAL AND LAND ENGINEERING

DEGREE PROGRAMME 2021/2022

Course contents are available at this [link](#)

1st year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Mathematical Analysis 1	MAT/05	A	9	90
1	Chemistry	CHIM/03	A	6	60
1	Fundamentals of Computer Science	ING-INF/05	A	6	60
1	Engineering for Sustainable Development		F	1	25
2	Physics 1	FIS/01	A	8	80
2	Geometry and Algebra	MAT/03	A	7	70
2	Lithology and Geology	GEO/09	C	6	60
2	Graphics Lab	ICAR/17	F	6	60

2nd year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Mathematical Analysis 2	MAT/05	A	8	80
1	Physics 2	FIS/01	A	7	70
1	Thermodynamics and Fluid Machinery	ING-IND/09	C	6	60
1	Integrated Course: Science and Technology of Constructions				
1	- Module: Construction Theory	ICAR/08	B	8	80
2	- Module: Theory and Technology of Structures	ICAR/09	B	8	80
2	Transport Phenomena in Environmental Protection	ING-IND/24	C	6	60
2	Hydraulics	ICAR/01	B	10	100
2	Electrotechnics Laboratory	ING-IND/31	F	6	60

3rd year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Applied Geology	GEO/05	B	6	60
1	Hydrology and Statistics	ICAR/02	B	8	80
1	Occupational Health and Safety	ING-IND/28	B	6	60
1	Topography and Cartography	ICAR/06	B	6	60
2	Environmental Pollution and Remediation Processes	ICAR/03	B	8	80
2	Sustainable spatial planning	ICAR/20	B	8	80
2	Integrated Course: Geotechnics and Applied Seismology				
2	- Module: Geotechnics	ICAR/07	B	6	60
2	- Module: Applied Seismology	GEO/11	B	6	60



Additional credits to be acquired

Sem	Activity	SSD*	TAF*	Credits	h
	English Language Test ¹		E	3	
	Elective activities ²		D	12	
	Final Exam		E	3	

TOTAL CREDITS 180

(1) The credits of European language level can be acquired:

- passing the English language test at B1 European level (CEFR) at Centro Linguistico d'Ateneo,
- showing appropriate certification of B1 European level (CEFR) knowledge.

(2) The elective activities must be consistent with the personal educational plan and they need approval by the Degree Programme Board.

The Study Programme includes also the following laboratories which can be chosen by students to satisfy part of the credits of own free choice:

Sem	Laboratory	SSD*	TAF*	Credits	h
2	Environmental Geophysics Lab	GEO/11		3	30
2	Sanitary and Environmental Engineering Laboratory	ICAR/03		2	25
2	Workshop of Regional Planning	ICAR/20		3	45

*Abbreviations

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity