



## BACHELOR'S DEGREE IN ENVIRONMENTAL AND LAND ENGINEERING

DEGREE PROGRAMME 2019/2020

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

### 1<sup>st</sup> year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Mathematical Analysis 1	MAT/05	A	9	90
1	Chemistry	CHIM/07	A	6	60
1	Fundamentals of Computer Science	ING-INF/05	A	6	60
1	Environmental and Land Engineering		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	5	50

### 2<sup>nd</sup> 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	5	50

### 3<sup>rd</sup> 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 Safety and Environmental Protection	ING-IND/28	B	8	80
1	Topography and Cartography	ICAR/06	B	6	60
2	Environmental Pollution and Remediation Processes	ICAR/03	B	8	80
2	Regional 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 <sup>1</sup>		E	3	
	Elective activities <sup>2</sup>		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
1	Laboratory of Environmental Geophysics in Coastal Areas	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