



**BACHELOR'S DEGREE IN  
ENVIRONMENTAL AND LAND ENGINEERING**

**DEGREE PROGRAMME 2016/2017**

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	Physics 1	FIS/01	A	8	80
2	Integrated Course: Mathematics - Module: Mathematical Analysis 2	MAT/05	A	5	50
2	- Module: Geometry and Algebra	MAT/03	A	7	70
2	Physics 2	FIS/01	A	7	70
2	Fundamentals of Computer Science	ING-INF/05	A	6	60
2	Graphics Lab	ICAR/17	F	5	50

**2<sup>nd</sup> year**

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Course: Statistics and Hydrology - Module: Statistics	SECS-S/02	C	4	40
1	- Module: Hidrology	ICAR/02	B	6	60
1	Business Economics	ING-IND/35	C	5	50
1	Raw Materials Engineering	ING-IND/29	B	6	60
1	Thermodynamics And Fluid Machinery	ING-IND/09	C	6	60
2	Integrated Course: Geology and Applied Geology - Module: Lithology and Geology	GEO/09	C	6	60
2	- Module: Applied Geology	GEO/05	B	5	50
2	Regional Planning	ICAR/20	B	6	60
2	Topography and Cartography	ICAR/06	B	6	60
2	Electrotechnics Laboratory	ING-IND/31	F	5	50



3<sup>rd</sup> year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Transport Phenomena in Environmental Protection	ING-IND/24	B	6	60
1	Hydraulics	ICAR/01	B	10	100
1	Occupational Safety and Environmental Protection	ING-IND/28	B	6	60
	Integrated Course: Science and Technology of Constructions				
1	- Module: Construction Theory	ICAR/08	B	6	60
2	- Module: Theory and Technology of Structures	ICAR/09	B	6	60
2	Sanitary-Environmental Engineering	ICAR/03	B	7	70
	Integrated Course: Geotechnics and Applied Seismology				
2	- Module: Geotechnics	ICAR/07	B	6	60
2	- Module: Applied Seismology	GEO/11	B	5	50

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	13	
	Final Exam		E	4	

**TOTAL CREDITS 180**

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

- passing the English language test as part of the admission test,
- 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	Geology Lab	GEO/09		3	30
1	Workshop of Regional Planning	ICAR/20		3	45
1	Laboratory of Environmental Geophysics in Coastal Areas	GEO/11		3	30
2	Sanitary and Environmental Engineering Laboratory	ICAR/03		2	25

\*Abbreviations

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity