



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

**DEGREE PROGRAMME 2012/2013**

**1<sup>st</sup> year**

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Course: Mathematics 1				
	- Module: Mathematical Analysis	MAT/05	A	5	50
1	- Module: Geometry and Algebra	MAT/03	A	7	70
1	Chemistry	CHIM/07	A	6	60
1	Physics 1	FIS/01	A	8	80
2	Mathematics 2	MAT/05	A	9	90
2	Physics 2	FIS/01	A	7	70
2	Fundamentals of Computer Science	ING-INF/05	A	6	60
2	Graphics Lab		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: Hydrology	ICAR/02	B	6	60
1	Thermodynamics and Fluid Machinery	ING-IND/09	C	6	60
1	Raw Materials Engineering	ING-IND/29	B	6	60
1	Business Economics	ING-IND/35	C	5	50
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	Topography and Cartography	ICAR/06	B	6	60
2	Regional Planning	ICAR/20	B	6	60
2	Electrotechnics Laboratory		F	5	50



3<sup>rd</sup> year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Hydraulics	ICAR/01	B	10	100
1	Occupational Safety and Environmental Protection	ING-IND/28	B	6	60
1	Transport Phenomena in Environmental Protection	ING-IND/24	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	5	50
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	14	
	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.

\*Abbreviations

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity