



**BACHELOR'S DEGREE IN ENVIRONMENTAL AND LAND
ENGINEERING
DEGREE PROGRAMME 2015/2016**

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

1st year – 1st semester

Teaching course	SSD*	TAF*	Credits	h
Mathematical Analysis 1	MAT/05	A	9	90
Chemistry	CHIM/07	A	6	60
Physics 1	FIS/01	A	8	80
English Language Test ¹		E	3	
Total Credits 1 st year – 1 st semester			26	

1st year – 2nd semester

Teaching course	SSD	TAF	Credits	h
Integrated Course: Mathematics - Module: Mathematical Analysis 2 - Module: Geometry and Algebra	MAT/05 MAT/03	A A	5 7	50 70
Physics 2	FIS/01	A	7	70
Fundamentals of Computer Science	ING-INF/05	A	6	60
Graphics Lab	ICAR/17	F	5	50
Total Credits 1 st year – 2 nd semester			30	

2nd year – 1st semester

Teaching course	SSD	TAF	Credits	h
Integrated Course: Statistics and Hydrology - Module: Statistics - Module: Hidrology	SECS-S/02 ICAR/02	C B	4 6	40 60
Business Economics	ING-IND/35	C	5	50
Raw Materials Engineering	ING-IND/29	B	6	60
Thermodynamics And Fluid Machinery	ING-IND/09	C	6	60
Total Credits 2 nd year – 1 st semester			27	



2nd year – 2nd semester

Teaching course	SSD	TAF	Credits	h
Integrated Course: Geology and Applied Geology - Module: Lithology and Geology - Module: Applied Geology	GEO/09 GEO/05	C B	6 5	60 50
Regional Planning	ICAR/20	B	6	60
Topography and Cartography	ICAR/06	B	6	60
Electrotechnics Laboratory	ING-IND/31	F	5	50
Total Credits 2 nd year – 2 nd semester			28	

3rd year – 1st semester

Teaching course	SSD	TAF	Credits	h
Integrated Course: Science and Technology of Constructions - Module: Construction Theory	ICAR/08	B	6	60
Transport Phenomena in Environmental Protection	ING-IND/24	B	6	60
Hydraulics	ICAR/01	B	10	100
Occupational Safety and Environmental Protection	ING-IND/28	B	6	60
Total Credits 3 rd year – 1 st semester			28	

3rd year – 2nd semester

Teaching course	SSD	TAF	Credits	h
Sanitary-Environmental Engineering	ICAR/03	B	7	70
Integrated Course: Geotechnics and Applied Seismology - Module: Geotechnics - Module: Applied Seismology	ICAR/07 GEO/11	B B	6 5	60 50
Integrated Course: Science and Technology of Constructions - Module: Theory and Technology of Structures	ICAR/09	B	6	60
Total Credits 3 rd year – 2 nd semester			24	

Additional credits to be acquired	TAF	Credits
Elective activities ²	D	13
Final Exam	E	4

Total credits 180



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

Laboratory	SSD	Credits	H
Geology Lab	GEO/09	3	30
Sanitary and Environmental Engineering Laboratory	ICAR/03	2	25
Laboratory of Environmental Geophysics in Coastal Areas	GEO/11	3	30

***Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity

- (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.