



**BACHELOR'S DEGREE IN
TECHNIQUES FOR BUILDING CONSTRUCTION AND LAND DEVELOPMENT
DEGREE PROGRAMME 2026/27**

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

1st year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Course: Mathematical Methods and Physics Principles for Construction and Land Development				
1	- Module: Mathematics	MATH-03/A	A	3	24
1	- Module: Physics	PHYS-03/A	A	3	24
1	Digital Representation Techniques	CEAR-10/A	B	6	48
1	Integrated Course: Digitalization, BIM and Construction Management				
1	- Module: Digitalization and BIM	CEAR-08/B	B	4	32
1	- Module: Management	CEAR-03/C	B	3	24
1	Fundamentals of Computer Science, Data Analysis and Statistics	IINF-05/A	A	6	48
1	Integrated Course: Building Construction and Restoration				
1	- Module: Architectural Engineering	CEAR-08/A	B	5	40
2	- Module: Architectural design	CEAR-09/A	B	3	24
2	- Module: Restoration	CEAR-11/B	C	3	24
2	Integrated Course: Principles of Structural Mechanics and Design				
2	- Module: Structural Mechanics	CEAR-06/A	B	3	24
2	- Module: Structural Design	CEAR-07/A	B	3	24
2	Integrated Course: Geomatics Techniques for Construction and Land Development				
2	- Module: Building construction	CEAR-04/A	B	3	24
2	- Module: Land development	CEAR-04/A	B	3	24
2	Building LAB		F	10	120



2nd year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Course: Hydraulic infrastructures				
1	- Module: Hydraulics	CEAR-01/A	B	2	16
1	- Module: Water engineering	CEAR-01/B	B	2	16
1	Integrated Course: Spatial planning and infrastructures				
1	- Module: Road construction	CEAR-03/A	B	2	16
1	- Module: Tools for the acquisition and monitoring of transport data	CEAR-03/B	B	2	16
1	- Module: Digital tools for urban planning	CEAR-12/A	B	5	40
1	Occupational Health and Safety	CEAR-02/B	C	6	60
1	Investigation, diagnosis and monitoring of constructions LAB		F	10	120
1	Integrated Course: Spatial planning legislation and Valuation				
1	- Module: Spatial planning legislation	GIUR-06/A	B	3	24
1	- Module: Valuation	CEAR-03/C	B	3	24
2	Management of excavation materials and construction and demolition waste	CEAR-02/A	B	2	16
2	Spatial planning and infrastructures LAB		F	10	120
2	Construction Site LAB		F	10	120

3rd year

Sem	Teaching course	SSD*	TAF*	Credits	h
	Internship		F	48	1200
	Summary LAB		F	8	96

Additional credits to be acquired

Sem	Activity	SSD*	TAF*	Credits	h
	English Language Test - B1 ¹		E	3	
	Elective activities ²		D	3	
	Final Exam		E	3	

The semester could change; check in [Course bulletin](#) of the academic year.

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.

***Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity