



MASTER'S DEGREE IN ELECTRONIC ENGINEERING

DEGREE PROGRAMME 2026/27

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

1st year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Integrated Course: Electronic Systems, Circuits and Components				
1	- Module: Reliability of Electronic Components	IINF-01/A	B	5	50
1	- Module: Microelectronics	IINF-01/A	B	6	60
1	- Modulo: Design of Integrated Systems	IINF-01/A	B	6	60
1	Integrated Course: Transmission, Measurement and Control Systems				
1	- Module: Radio-Frequency Circuits	IINF-02/A	B	7	70
2	- Module: Automatic Measurement Systems	IMIS-01/B	B	6	60
2	- Module: Advanced Control Systems	IINF-04/A	C	3	30

Additional credits to be acquired

Sem	Activity	SSD*	TAF*	Credits	h
	6 courses from tab 1		B	36	
	3 courses from tab 2		C	18	
	Elective activities ¹		D	12	
	Other activities		F	3	
	English Language Test - B2 ²		F	3	
	Final Examination		E	15	

TOTAL CREDITS 120

- (1) The elective activities must be consistent with the personal educational plan and they need approval by the Degree Programme Board.
- (2) The credits of European language level can be acquired passing the English language test at B2 European level (CEFR) at Centro Linguistico d'Ateneo. If the student can show appropriate certification of B2 European level (CEFR) knowledge other activities must be acquired.



Tab 1. Courses TAF B (6 from the list)

Sem	Teaching course	SSD*	TAF*	Credits	h
1st year					
1	Integrated Circuit Design 	IINF-01/A	B	6	60
2	Cyber-physical system architectures 	IINF-01/A	B	6	60
2	Pervasive wireless systems	IINF-02/A	B	6	60
2nd year					
1	Advanced embedded systems 	IINF-01/A	B	6	60
1	Mixed-signal circuits and systems 	IINF-01/A	B	6	60
1	Data acquisition technologies 	IMIS-01/B	B	6	60
1	Optoelectronics, diagnostics and aerospace application 	IINF-01/A	B	6	60
2	Microwave and Antenna Engineering	IINF-02/A	B	6	60
2	Biosensors and Bioelectronics 	IINF-01/A	B	6	60
2	Flexible Electronics and Applications 	IINF-01/A	B	6	60

Tab 2. Courses TAF C (3 from the list)

Sem	Teaching course	SSD*	TAF*	Credits	h
1st year					
2	Machine Learning 	IINF-05/A	C	6	60
2	Nanoelectronics 	PHYS-04/A	C	6	60
2	Access Networks	IINF-03/A	C	6	60
2nd year					
1	Artificial Intelligence 	IINF-05/A	C	6	60
1	Internet of Things and Digital Twins 	IINF-03/A	C	6	60
2	Discrete-event and hybrid systems 	IINF-04/A	C	6	60

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

***Abbreviations**

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity