



**BACHELOR'S DEGREE IN
ELECTRONIC, COMPUTER AND TELECOMMUNICATION ENGINEERING
DEGREE PROGRAMME 2026/27**

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

1st year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Mathematical Analysis 1	MATH-03/A	A	9	90
1	Physics 1	PHYS-03/A	A	8	80
1	Integrated Course: Information Processing Systems - Module: Programming Fundamentals	IINF-05/A	A	6	60
2	- Module: Computer Architectures	IINF-05/A	A	6	60
2	Chemistry	CHEM-06/A	C	6	60
2	Physics 2	PHYS-03/A	A	6	60
2	Geometry and Algebra	MATH-02/B	A	7	70
2	Communication Networks	IINF-03/A	B	6	60

2nd year

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Mathematical Analysis 2	MATH-03/A	A	8	80
1	Applied Mathematics	MATH-05/A	C	6	60
1	Digital Systems Design	IINF-01/A	B	12	120
1	Integrated Course: Analysis and Control of Dynamical Systems - Module: System Theory	IINF-04/A	B	6	60
2	- Module: Automatic Control Systems	IINF-04/A	B	6	60
2	Integrated Course: Signal Measurement, Coding and Transmission - Module: Measurement Systems for Information Engineering	IMIS-01/B	B	6	60
2	- Module: Telecommunication Systems	IINF-03/A	B	6	60
2	Advanced Programming	IINF-05/A	B	6	60
2	Circuit Theory	IET-01/A	C	8	80



3rd year

Sem	Teaching course	SSD*	TAF*	Credits	h
Curriculum on Electronic Engineering					
1	Semiconductor Devices	IINF-01/A	B	8	80
1	Microcontroller-Based Systems	IINF-01/A	B	6	60
1	Integrated Course: Electromagnetics				
	- Module: Radio Link Technology	IINF-02/A	B	6	60
2	- Module: Electromagnetic Fields	IINF-02/A	B	6	60
2	Integrated Course: Electronic Systems				
	- Module: Applied Electronics	IINF-01/A	B	5	50
2	- Module: Circuit Design	IINF-01/A	B	5	50
2	- Module: Lab of Electronics	IINF-01/A	F	2	20
1	1 course from tab 1		C	6	60
Curriculum on Computer Engineering					
1	Integrated Course: Operating Systems and Database				
	- Module: Operating Systems	IINF-05/A	B	5	50
1	- Module: Lab of Operating Systems	IINF-05/A	F	2	20
1	- Module: Databases	IINF-05/A	B	6	60
1	Radio Link Technology	IINF-02/A	B	6	60
1	Internet	IINF-03/A	B	6	60
2	Integrated Course: Object-Oriented and Web Programming				
	- Module: Web Programming	IINF-05/A	B	6	60
2	- Module: Object Oriented Programming Languages	IINF-05/A	B	7	70
1	1 course from tab 2		C	6	60
Curriculum on Internet					
1	Internet	IINF-03/A	B	6	60
1	Integrated Course: Digital Media and Mobile Networks				
	- Module: Digital Media	IINF-03/A	B	6	60
1	- Module: Lab of Digital Media	IINF-03/A	F	2	20
2	- Module: XG Mobile Networks	IINF-03/A	B	6	60
1	Integrated Course: Electromagnetics for Telecommunication				
	- Module: Radio Link Technology	IINF-02/A	B	6	60
2	- Module: Electromagnetics and Antenna Technologies	IINF-02/A	B	6	60
2	Cloud networking	IINF-03/A	B	6	60
1	1 course from tab 2		C	6	60



Additional credits to be acquired

Sem	Activity	SSD*	TAF*	Credits	h
	English Language Test - B1 ¹		E	3	
	Elective activities ²		D	12	
	Final Exam		E	3	

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.

Tab. 1. One course from the list

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Measurement Systems and Virtual Instrumentation	IMIS-01/B	C	6	60
1	Power Electronics	IIND-08/A	C	6	60
2	Digital Control	IINF-04/A	C	6	60

Tab. 2. One course from the list

Sem	Teaching course	SSD*	TAF*	Credits	h
1	Measurement Systems and Virtual Instrumentation	IMIS-01/B	C	6	60
2	Digital Control	IINF-04/A	C	6	60
2	Smart Grid	IIND-08/B	C	6	60



Tab. 3. Available elective activities

Sem	Teaching course	SSD*	TAF*	Credits	h
n/a	Internship		D	6	60
n/a	Project in Electrical and Electronic Department		D	6	60
n/a	Lab available at: https://web.unica.it/unica/it/crs_70_94_55.page		D	3	30
n/a	Course from other curriculum				
n/a	Course from Tab 1 and 2				
2	Integrated Course: Applied Electronics and Lab ¹				
	- Module: Applied Electronics	IINF-01/A	D	5	50
2	- Module: Lab of Electronics	IINF-01/A	D	2	20
2	Circuit Design ¹	IINF-01/A	D	5	50
1	Databases ²	IINF-05/A	D	6	60
2	Object Oriented Programming Languages ²	IINF-05/A	D	6	60
1	Integrated Course: Operating Systems and Lab ²				
	- Module: Operating Systems	IINF-05/A	D	5	50
1	- Module: Lab of Operating Systems	IINF-05/A	D	2	20
2	Web Programming ²	IINF-05/A	D	7	70
1	Integrated Course: Digital Media and Lab ³				
	- Module: Digital media	IINF-03/A	D	6	60
1	- Modulo: Lab of Digital Media	IINF-03/A	D	2	20
2	xG Mobile Networks ³	IINF-03/A	D	6	60
2	Electromagnetic Fields ^{1,3}	IINF-02/A	D	6	60
¹ not available for the curriculum on Electronic Engineering ² not available for the curriculum on Computer Engineering ³ not available for the curriculum on Internet					

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

Abbreviations

SSD	Scientific Disciplinary Sector
TAF	Type of Educational Activity